88106R01
VOLUME II
ORIGINAL

PROGRAM MANAGER
RMA CONTAMINATION CLEANUP FILE COPY

U.S. ARMY
MATERIEL COMMAND

— COMMITTED TO PROTECTION OF THE ENVIRONMENT —

AD-A277 541

TECHNICAL SUPPORT FOR
ROCKY MOUNTAIN ARSENAL

FINAL
WATER REMEDIAL INVESTIGATION REPORT

(Version 3.3)
Volume II

DTIC
ELECTE
MAR 25 1994
S E D

Rocky Mountain Arsenal
Information Center
Commerce City, Colorado

EBASCO SERVICES INCORPORATED
Applied Environmental, Inc.
CH2M HILL DataChem, Inc.
R.L. Stollar & Associates, Inc.

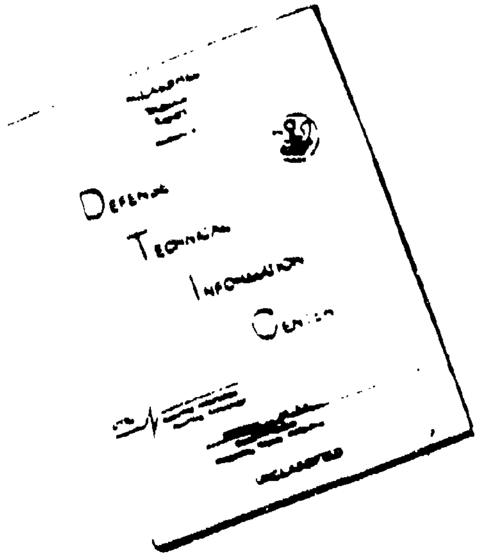
REQUESTS FOR COPIES OF THIS DOCUMENT
SHOULD BE REFERRED TO THE PROGRAM MANAGER
FOR THE ROCKY MOUNTAIN ARSENAL CONTAMINATION CLEANUP,
AMXRM ABERDEEN PROVING GROUND, MARYLAND

94-09274

94 3 24 096

ROCKY MOUNTAIN ARSENAL • COMMERCE CITY, COLORADO • 80022-2180

DISCLAIMER NOTICE



THIS DOCUMENT IS BEST QUALITY AVAILABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.

REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

1. AGENCY USE ONLY (Leave blank)

2. REPORT DATE
07/00/89

3. REPORT TYPE AND DATES COVERED

4. TITLE AND SUBTITLE
WATER REMEDIAL INVESTIGATION REPORT, FINAL, VERSION 3.3

5. FUNDING NUMBERS
DAAA11 84 D 0016

6. AUTHOR(S)

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)
EBASCO SERVICES, INC.
LAKEWOOD, CO

8. PERFORMING ORGANIZATION REPORT NUMBER
89186R01

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)
ROCKY MOUNTAIN ARSENAL (CO.). PMRMA
COMMERCE CITY, CO

10. SPONSORING/MONITORING AGENCY REPORT NUMBER

11. SUPPLEMENTARY NOTES

12a. DISTRIBUTION/AVAILABILITY STATEMENT
APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED

12b. DISTRIBUTION CODE

13. ABSTRACT (Maximum 200 words)

THIS WATER REMEDIAL INVESTIGATION IS A COMPILATION, INTEGRATION, AND INTERPRETATION OF GROUND WATER AND SURFACE WATER STUDY RESULTS OBTAINED FROM SPECIFIC TASKS AND DESIGNED TO PROVIDE A COMPREHENSIVE ASSESSMENT OF CONTAMINATION BOTH ON- AND OFF-POST.

THE RI IS DIVIDED INTO FIVE VOLUMES:

1. INTRODUCTION TO THE PROJECT, DESCRIPTION OF THE ENVIRONMENTAL SETTING, AND ASSESSMENT OF THE NATURE AND EXTENT OF CONTAMINATION
2. GEOLOGICAL AND HYDROLOGIC DATA, TASK 44 DATA, CHEMISTRY DATA, AND INFORMATION PERTAINING TO HYDROCHEMICAL PROPERTIES AND HYDROLOGIC CALCULATIONS
3. APPENDIX F WHICH IS A DETAILED DESCRIPTION OF GEOLOGY, HYDROLOGY, CONTAMINANT DISTRIBUTION, AND HISTORICAL GROUND WATER AND SURFACE WATER PROGRAMS
4. COMMENTS AND RESPONSES FOR THE DRAFT FINAL RI
5. PLATES REFERENCED IN VOLUMES I AND III.

14. SUBJECT TERMS
SOIL, BIOTA, GEOLOGY, HYDROLOGY, CONTAMINANT SOURCES

15. NUMBER OF PAGES

16. PRICE CODE

17. SECURITY CLASSIFICATION OF REPORT
UNCLASSIFIED

18. SECURITY CLASSIFICATION OF THIS PAGE

19. SECURITY CLASSIFICATION OF ABSTRACT

20. LIMITATION OF ABSTRACT

TECHNICAL SUPPORT FOR ROCKY MOUNTAIN ARSENAL

FINAL WATER REMEDIAL INVESTIGATION REPORT

(Version 3.3)
Volume II

July 1989

Contract Number DAAK11-84-D-0016 and DAAA-15-88-D-0024

Prepared By

EBASCO SERVICES INCORPORATED
R. L. Stollar & Associates, Inc.
Hunter/ESE, Inc.
Harding Lawson Associates

Prepared For

U.S. Army Program Manager's Office for Rocky Mountain Arsenal Contamination Cleanup

THE INFORMATION AND CONCLUSIONS PRESENTED IN THIS REPORT REPRESENT THE OFFICIAL POSITION OF THE DEPARTMENT OF THE ARMY UNLESS EXPRESSLY MODIFIED BY A SUBSEQUENT DOCUMENT. THIS REPORT CONSTITUTES THE RELEVANT PORTION OF THE ADMINISTRATIVE RECORD FOR THIS CERCLA OPERABLE UNIT.

THE USE OF TRADE NAMES IN THIS REPORT DOES NOT CONSTITUTE AN OFFICIAL ENDORSEMENT OR APPROVAL OF THE USE OF SUCH COMMERCIAL PRODUCTS. THIS REPORT MAY NOT BE CITED FOR PURPOSES OF ADVERTISEMENT.

VOLUME I

TABLE OF CONTENTS

VOLUME I LIST OF TABLES

VOLUME II LIST OF FIGURES

VOLUME II LIST OF FIGURES (Continued)

VOLUME II LIST OF FIGURES (Continued)

VOLUME II LIST OF FIGURES (Continued)

VOLUME II LIST OF FIGURES (Continued)

VOLUME II LIST OF FIGURES (Continued)

VOLUME II LIST OF FIGURES (Continued)

VOLUME III

APPENDIX F DETAILED DESCRIPTION OF ENVIRONMENTAL SETTING AND CONTAMINANT DISTRIBUTION

APPENDIX F TABLE OF CONTENTS

PAGE

APPENDIX F TABLE OF CONTENTS (Continued)

APPENDIX F LIST OF TABLES

APPENDIX F LIST OF FIGURES

APPENDIX F LIST OF FIGURES (Continued)

PAGE

PAGE

APPENDIX F LIST OF FIGURES (Continued)

PAGE

APPENDIX F LIST OF FIGURES (Continued)

PAGE

APPENDIX F LIST OF FIGURES (Continued)

VOLUME IV

APPENDIX G **COMMENTS AND RESPONSES TO THE WATER REMEDIAL INVESTIGATION, DRAFT FINAL REPORT (VERSION 2.2) MARCH 1989**

APPENDIX G TABLE OF CONTENTS

VOLUME V

LIST OF PLATES

ACRONYMS AND ABBREVIATIONS

ac-ft	acre-feet
ac-ft/mo	acre-feet per month
ac-ft/yr	acre-feet per year
ACL	alternative concentration limit
Al	A lithologic zone - lower
Am	A lithologic zone - middle
ARAR	Applicable or Relevant and Appropriate Requirement
Army	Department of the Army
As	A lithologic zone - channel
ASTM	American Society for Testing and Materials
ASY	apparent specific yield
atm-m^3/mole	atmosphere-cubic meter per mole
Au	A lithologic zone - upper
AWQC	ambient water quality criteria
12DCLE	1,2 dichloroethane
BTZ	benzothiazole
CC	Contamination Control
CCC	Colorado Climate Center
CCl_4	Carbon Tetrachloride
CDH	Colorado Department of Health
CDM	Camp Dresser & McKee, Inc.
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CF&I	Colorado Fuel and Iron
cfs	cubic feet per second
CH_2Cl_2	Methylene Chloride
cm/sec	centimeters per second
CMP	Comprehensive Monitoring Program
COE	U.S. Army Corps of Engineers
CPMS	chlorophenylmethyl sulfide
CPMSO	chlorophenylmethyl sulfoxide
$CPMSO_2$	chlorophenylmethyl sulfone

CRL	certified reporting limits
CSU	Colorado State University
CSU-GWFlow	Colorado State University Groundwater Flow Model
CWP	Composite Well Program
CWQ	Clean Water Act
DBCP	Dibromochloropropane
11DCE	1,1-dichloroethylane
11DCLE	1,1-dichloroethane
12DCE	trans-1,2-dichloroethylene
DCPD	Dicyclopentadiene
DIMP	Diisopropylmethyl phosphonate
1,4-DITH	1,4-dithiane
DMDS	dimethyldisulfide
DMMP	dimethylmethyl phosphonate
DOJ	Department of Justice
EA	Endangerment Assessment
EDL	elevated detection limit
EPA	U.S. Environmental Protection Agency
ESE	Environmental Science and Engineering, Inc.
FCP	First Creek Paleochannel
Fm	Formation
FRICO	Farmer's Reservoir and Irrigation Company
FS	Feasibility Study
ft	feet
ft/day	feet per day
ft/ft	feet per foot
ft/sec	feet per second
ft/yr	feet per year
ft^3	cubic feet
FY87	Fiscal Year 1987
gal/ft^2	gallons per square foot
GB	nerve gas comprised of Sarin

GC	gas chromatograph
G/ml	gram per milliliter
GC/MS	gas chromatography/mass spectrometry
gpd/ft	gallons per day per foot gpd/ft^{2}gallons per day per square foot
gpm	gallons per minute
H	Henry's Law Constant
HCCPD or CL_6CP	hexachlorocyclopentadiene
HGU	Hydrogeologic unit
HLA	Harding Lawson Associates
HSL	Hazardous Substance List
ICAP	inductively-coupled argon plasma
ICS	Irondale Containment System
ID	inside diameter
in/hr	inches per hour
in/mo	inches per month
IRA	Interim Response Action
ISP	Initial Screening Program
K	hydraulic conductivity
K_{oc}	organic carbon partition coefficient
K_d	partition coefficient
K_{ow}	octanol/water partition coefficient
LA	Lignite A
LB	Lignite B
lbs/ft^3	pounds per cubic foot
LC	Lignite C
LD	Lignite D
MCL	maximum contaminant level
MCLG	maximum contaminant level goal
mg/l	milligrams per liter
mi	miles
MIBK	methylisobutyl ketone
MKE	Morrison-Knudsen Engineers, Inc.

mm	millimeter
mph	miles per hour
msl	mean sea level
NBCS	North Boundary Containment System
NBTP	North Boundary Treatment Plant
NBW	north boundary west
NTC	nontarget compounds
NWBCS	Northwest Boundary Containment System
NWBP	Northwest Boundary Paleochannel
O&M	operation and maintenance
O_3	ozone
PAS	Parties and the State
OCP	organochlorine pesticide
OD	outside diameter
^oF	degrees Farenheit
OXAT	oxathiane
OX/DITH	Combined oxathiane and dithiane
PCE	tetrachloroethylene
PI	plasticity index
PID	photoionization detector
PMO-RMA	U.S. Army Program Manager's Office for Rocky Mountain Arsenal Contamination Cleanup
PMSO	Program Manager Staff Office
p,p'-DDE	p,p'-1,1-dichloro-2,2-bis(4-chlorophenyl)-ethylene
p,p'-DDT	p,p'-dichlorodiphenyltrichloroethane
PPLV	Preliminary Pollutant Limit Value
ppm	parts per million
psi	pounds per square inch
PVC	polyvinyl chloride
QA1	Paleochannels in terrace gravels
QA2	Paleochannels in eolian deposits (w/gravels)
QA3	Silty terrace gravels and coarse sand
QA4	Paleochannels in eolian deposits (w/o gravels)

ACRONYMS AND ABBREVIATIONS (Continued)

QAE	Eolian deposits
QA/QC	Quality Assurance/Quality Control
QC	Quality control
QT	Quarternary terrace gravels
RCI	Resource Consultants, Inc.
RCRA	Resource Conservation and Recovery Act
R_f	Retardation factor
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
RIC	RMA Information Center
RMA	Rocky Mountain Arsenal
RMACCPMT	Rocky Mountain Arsenal Control Management Team
ROD	Record of Decision
SACWSD	South Adams County Water and Sanitation District
SAR	Study Area Report
SARA	Superfund Amendments and Reauthorization Act
SCC	Shell Chemical Company
SCS	Soil Conservation Service
SDWA	Safe Drinking Water Act
Shell	Shell Chemical Oil Company
SO_2	Sulfur Dioxide
sq mi	square mile(s)
STP	Sewage Treatment Plant
SW/GW	surface water/groundwater
T	transmissivity
111TCE	1,1,1-trichloroethane
112TCE	1,1,2-trichloroethane
TCLEE	tetrachloroethylene
TIC	tentatively identified compounds
TKd	Denver Formation
TRCLE	trichloroethylene
TSP	total suspended particulates

ACRONYMS AND ABBREVIATIONS (Continued)

1u	number one upper zone in the Denver Fm
ug/g	micrograms per gram
ug/l	micrograms per liter
UFS	Unconfined Flow System
UNK	unknown
USATHAMA	U.S. Army Toxic and Hazardous Materials Agency
USCS	Unified Soil Classification System
UTM	Universal Transverse Mercator
VC	volcaniclastic interval
VCE	clay-rich zone stratigraphically equivalent to VC
VOA	volatile organic aromatics
VOC	volatile organic compounds
VOH	volatile organohalogens
WES	U.S. Army Corps of Engineers Waterways Experiment Station
WRI	Water Remedial Investigation
WY87	Water Year 1987

APPENDIX A

DENVER FM GEOLOGIC DATA

APPENDIX A.1: DENVER ZONE SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESS

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESS

EXPLANATION

The top and base elevations of the sandstones were picked at the top and base of an interval consisting predominantly of sandstone. In some cases, these sandstones contain stringers or lenses of siltstone, claystone, and/or shale. Where these finer grained sediments comprise a significant thickness, they are listed under "shale thickness" in the table. This shale thickness is subtracted from the gross sandstone thickness to obtain the net sandstone thickness.

For well 01046, the thickness of the sandstone in zone 2 was estimated from personal communication with Stollar and Associates, 1988.

In wells where the borehole did not penetrate the base of the sandstone, the base sandstone elevation was estimated.

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
01005	AS	5201.6	5174.6	27.0	0.0	27.0	
01005	AU	5211.6	5204.6	7.0	0.0	7.0	
01008	AL	5181.2	5176.2	5.0	0.0	5.0	
01008	AM	5209.9	5190.7	19.2	0.0	19.2	
01015	AU	5216.5	5206.1	10.4	0.0	10.4	
01017	AM	5182.6	5177.5	5.1	0.0	5.1	
01017	AU	5193.7	5183.1	10.6	0.0	10.6	
01022	AM	5154.5	5147.5	7.0	0.0	7.0	
01022	AU	5171.5	5162.9	8.6	0.0	8.6	
01023	1U	5107.0	5095.0	12.0	0.0	12.0	
01025	AU	5173.9	5166.9	7.0	0.0	7.0	
01026	AL	5152.4	5146.9	5.5	0.0	5.5	
01028	AS	5197.2	5190.2	7.0	0.0	7.0	
01028	AU	5206.1	5202.2	3.9	0.0	3.9	
01029	AL	5156.2	5142.7	13.5	0.0	13.5	
01029	AM	5184.7	5181.7	3.0	0.0	3.0	
01031	AU	5208.1	5206.2	1.9	0.0	1.9	
01032	AM	5184.0	5177.6	6.4	0.0	6.4	
01034	AM	5174.0	5168.6	5.4	0.0	5.4	
01034	AU	5193.5	5192.2	1.3	0.0	1.3	
01035	AL	5162.0	5156.5	5.5	0.0	5.5	
01036	AU	5202.9	5201.6	1.3	0.0	1.3	
01037	AL	5161.9	5160.6	1.3	0.0	1.3	
01037	AM	5172.6	5165.8	6.8	0.0	6.8	
01039	AU	5192.9	5191.4	1.5	0.0	1.5	
01040	AL	5165.0	5157.1	7.9	0.0	7.9	
01040	AM	5173.4	5170.3	3.1	0.0	3.1	
01042	AL	5171.2	5168.8	2.4	0.0	2.4	
01042	AU	5202.2	5201.0	1.2	0.0	1.2	
01043	1	5112.0	5106.8	5.2	0.0	5.2	
01046	2	0.0	0.0	49.0	0.0	49.0	ESTIMATED THICKNESS
01047	1	5093.8	5074.0	19.8	0.0	19.8	
01047	1U	5114.9	5107.6	7.3	0.0	7.3	
01047	AL	5157.8	5156.3	1.5	0.0	1.5	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
01047	AM	5185.6	5182.6	3.0	0.0	3.0	
01047	AU	5192.3	5189.3	3.0	0.0	3.0	
01048	2	5070.0	5045.3	24.7	0.0	24.7	
01050	AS	5203.4	5157.4	46.0	0.0	46.0	
01067	AS	5199.0	5160.1	38.9	0.0	38.9	
01067	AU	5218.0	5208.9	9.1	4.7	4.4	
01068	VC	5283.9	5238.6	45.3	0.0	45.3	
01071	1	5092.6	5078.7	13.9	4.0	9.9	
01071	1U	5129.1	5118.6	10.5	0.0	10.5	
01071	2	5075.1	5070.6	4.5	0.0	4.5	
01071	AL	5174.6	5172.1	2.5	0.0	2.5	
01071	AM	5186.1	5185.1	1.0	0.0	1.0	
01071	AU	5200.5	5195.1	5.4	0.0	5.4	
02004	AS	5208.1	5162.8	45.3	0.0	45.3	
02009	1	5105.7	5103.7	2.0	0.0	2.0	
02010	2	5086.8	5077.9	8.9	0.0	8.9	
02010	3	5072.9	5044.9	28.0	0.0	28.0	
02012	1U	5114.6	5109.6	5.0	0.0	5.0	
02013	2	5063.6	5048.9	14.7	0.0	14.7	
02015	1U	5149.2	5134.2	15.0	0.0	15.0	
02016	2	5091.7	5075.2	16.5	0.0	16.5	
02018	AU	5221.4	5208.7	12.7	6.5	6.2	
02019	1U	5165.0	5159.0	6.0	0.0	6.0	
02019	AL	5187.5	5169.4	18.1	0.0	18.1	
02021	AM	5182.0	5167.4	14.6	0.0	14.6	
02022	1U	5138.3	5125.5	12.8	0.0	12.8	
02022	AL	5154.0	5143.0	11.0	0.0	11.0	
02024	AL	5178.3	5177.2	1.1	0.0	1.1	
02024	AM	5191.1	5186.2	4.9	0.0	4.9	
02027	AL	5153.4	5142.9	10.5	0.0	10.5	
02027	AM	5160.2	5156.6	3.6	0.0	3.6	
02028	1U	5117.4	5103.7	13.7	2.0	11.7	
02030	AL	5177.9	5176.0	1.9	0.0	1.9	
02030	AM	5196.4	5195.0	1.4	0.0	1.4	
02030	AU	5219.6	5208.3	11.3	4.6	11.3	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
02031	1U	5135.5	5128.6	6.9	0.0	6.9	
02032	AL	5170.1	5164.1	6.0	0.0	6.0	
02032	AU	5190.1	5181.9	8.2	3.2	5.0	
02033	1U	5127.2	5102.6	24.6	4.0	20.6	
02035	AL	5180.0	5177.8	2.2	0.0	2.2	
02035	AM	5197.5	5191.9	5.6	0.0	5.6	
02035	AU	5207.0	5202.5	4.5	0.0	4.5	
02038	AM	5204.1	5190.6	13.5	6.0	7.5	
02039	1U	5154.0	5147.0	7.0	0.0	7.0	
02039	AL	5175.9	5159.7	16.2	0.0	16.2	
02041	AL	5179.2	5167.7	11.5	0.0	11.5	
02041	AM	5200.0	5197.0	3.0	0.0	3.0	
02042	1U	5164.0	5143.5	20.5	5.0	15.5	
02043	AU	5216.1	5206.2	9.9	4.0	5.9	
02044	1U	5149.2	5134.2	15.0	0.0	15.0	
02044	AL	5185.2	5176.6	8.6	0.0	8.6	
02045	AL	5195.1	5184.0	11.1	9.9	1.2	
02045	AM	5206.6	5194.1	12.5	4.5	12.5	
02045	AU	5227.1	5217.6	9.5	2.0	7.5	
02046	1U	5154.6	5128.9	25.7	0.0	25.7	
02047	AS	5218.7	5174.7	44.0	0.0	44.0	
02048	1U	5138.7	5136.0	2.7	0.0	2.7	
03003	3	5058.0	5051.0	7.0	0.0	7.0	
03004	4	5027.0	5017.0	10.0	1.0	9.0	
03006	1U	5136.0	5123.0	13.0	0.0	13.0	
03006	2	5085.0	5076.0	9.0	8.0	1.0	
03007	7	5008.0	5005.0	3.0	0.0	3.0	
03012	1	5097.4	5095.4	2.0	0.0	2.0	
03012	1U	5161.4	5135.4	26.0	0.0	26.0	
03012	2	5085.4	5080.4	5.0	0.0	5.0	
04008	3	5111.0	5095.0	16.0	4.0	12.0	
04009	5	5044.0	5039.0	5.0	0.0	5.0	
04012	2	5106.0	5103.0	3.0	0.0	3.0	
04012	3	5094.0	5083.0	11.0	0.0	11.0	
04012	5	5040.0	5036.0	4.0	0.0	4.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
04012	6	5032.0	5009.0	23.0	0.0	23.0	
05003	B	5225.0	5222.0	3.0	0.0	3.0	
06004	AL	5163.0	5153.0	10.0	0.0	10.0	
08004	AL	5136.0	5082.0	54.0	0.0	54.0	
08004	B	5184.0	5182.0	2.0	0.0	2.0	
09003	2	5104.0	5081.0	23.0	0.0	23.0	
09004	4	5028.0	5018.0	10.0	0.0	10.0	
100	2	5124.0	5118.0	6.0	0.0	6.0	
1000	2	5120.0	5110.0	10.0	0.0	10.0	
1000	3	5093.0	5084.0	9.0	0.0	9.0	
1001	2	5120.0	5114.0	6.0	0.0	6.0	
1001	3	5093.0	5083.0	10.0	0.0	10.0	
1002	2	5119.0	5113.0	6.0	0.0	6.0	
1003	3	5103.0	5080.0	23.0	0.0	23.0	
1004	3	5103.0	5080.0	23.0	0.0	23.0	
1005	3	5098.0	5088.0	10.0	0.0	10.0	
1006	2	5125.0	5106.0	19.0	0.0	19.0	
1006	3	5101.0	5075.0	26.0	0.0	26.0	
1007	2	5106.0	5103.0	3.0	0.0	3.0	
1007	3	5092.0	5074.0	18.0	0.0	18.0	
1008	3	5094.0	5084.0	10.0	0.0	10.0	
1009	2	5106.0	5102.0	4.0	0.0	4.0	
1009	3	5092.0	5086.0	6.0	0.0	6.0	
1011	2	5126.0	5095.0	31.0	15.0	16.0	
1012	2	5107.0	5105.0	2.0	0.0	2.0	
1012	3	5094.0	5087.0	7.0	0.0	7.0	
1014	2	5123.0	5111.0	12.0	0.0	12.0	
1014	3	5094.0	5089.0	5.0	0.0	5.0	
1015	2	5125.0	5102.0	23.0	0.0	23.0	
1015	3	5098.0	5067.0	31.0	0.0	31.0	
1016	2	5128.0	5100.0	28.0	0.0	28.0	
11003	B	5179.9	5170.3	9.6	0.0	9.6	
11004	AU	5152.6	5147.2	5.4	0.0	5.4	
1105	3	5088.0	5071.0	17.0	0.0	17.0	
117	1	5162.0	5155.0	7.0	0.0	7.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
12004	B	5205.7	5198.7	7.0	2.0	5.0	
19015	2	5139.0	5118.0	21.0	6.0	15.0	
19015	3	5110.0	5096.0	14.0	0.0	14.0	
19016	4	5070.0	5052.0	18.0	0.0	18.0	
19017	1	5148.0	5140.5	7.5	0.0	7.5	
19017	3	5089.0	5087.0	2.0	0.0	2.0	
19017	4	5075.0	5059.0	16.0	0.0	16.0	
19018	2	5106.0	5102.0	4.0	0.0	4.0	
20001	1	5150.0	5129.0	21.0	0.0	21.0	
2003	AD	5205.0	5202.2	2.8	0.0	2.8	
22002	4	5054.0	5036.0	18.0	0.0	18.0	
22002	5	5018.0	5001.0	17.0	0.0	17.0	
22004	3	5108.0	5097.0	11.0	0.0	11.0	
22009	4	5066.0	5063.0	3.0	0.0	3.0	
22023	4	5051.0	5046.0	5.0	0.0	5.0	
22027	3	5095.0	5081.0	14.0	0.0	14.0	
22028	4	5055.0	5036.5	18.5	0.0	18.5	
22030	3	5088.0	5072.0	16.0	0.0	16.0	
22030	4	5045.0	5026.0	19.0	0.0	19.0	
22031	5	5020.0	5006.0	14.0	0.0	14.0	
22051	3	5085.0	5075.0	10.0	0.0	10.0	
22054	2	5109.0	5104.0	5.0	0.0	5.0	
22060	3	5107.0	5097.0	10.0	0.0	10.0	
22313	3	5084.0	5080.0	4.0	0.0	4.0	
23006	1	5141.0	5136.0	5.0	0.0	5.0	
23007	1	5138.5	5133.0	5.5	0.0	5.5	
23016	1	5133.5	5129.5	4.0	0.0	4.0	
23054	1	5139.0	5129.0	10.0	0.0	10.0	
23056	1	5133.0	5125.0	8.0	0.0	8.0	
23161	2	5130.0	5100.0	30.0	4.0	26.0	
23161	3	5088.0	5078.0	10.0	0.0	10.0	
23163	2	5105.0	5095.0	10.0	0.0	10.0	
23164	3	5088.0	5072.0	16.0	0.0	16.0	
23167	2	5122.0	5096.0	26.0	0.0	26.0	
23168	3	5080.0	5071.0	9.0	0.0	9.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
23169	4	5060.0	5038.0	22.0	0.0	22.0	
23170	2	5116.0	5094.0	22.0	8.0	14.0	
23170	3	5092.0	5075.0	17.0	0.0	17.0	
23171	2	5125.0	5100.0	25.0	15.0	10.0	
23172	2	5122.0	5100.0	22.0	0.0	22.0	
23177	2	5114.0	5092.0	22.0	0.0	22.0	
23181	2	5129.0	5088.0	41.0	0.0	41.0	
23183	3	5073.0	5067.0	6.0	0.0	6.0	
23184	4	5064.0	5052.0	12.0	0.0	12.0	
23186	2	5108.0	5094.0	14.0	0.0	14.0	
23189	2	5125.0	5115.0	10.0	0.0	10.0	
23192	2	5128.0	5100.4	27.6	25.6	2.0	
23192	3	5083.1	5077.4	5.7	0.0	5.7	
23193	4	5058.0	5022.0	36.0	30.5	5.5	
232	1U	5169.5	5167.0	2.5	0.0	2.5	
23200	2	5118.0	5095.0	23.0	0.0	23.0	
23201	3	5075.0	5065.0	10.0	0.0	19.0	
23208	2	5129.0	5111.0	18.0	0.0	18.0	
23209	2	5118.0	5083.0	35.0	8.0	27.0	
23209	3	5082.0	5060.0	22.0	4.0	18.0	
23209	4	5054.0	5028.0	26.0	6.0	20.0	
23210	5	5022.4	5010.4	12.0	0.0	12.0	
23210	6	5000.6	4978.4	22.2	2.0	20.2	
23210	8	4956.4	4929.4	27.0	0.0	27.0	
23218	2	5117.0	5112.0	5.0	0.0	5.0	
23219	3	5085.0	5078.0	7.0	0.0	7.0	
23219	4	5047.0	5038.0	9.0	0.0	9.0	
23221	1	5134.0	5130.0	4.0	0.0	4.0	
23222	2	5125.0	5090.0	35.0	0.0	35.0	
23224	3	5085.0	5062.0	23.0	0.0	23.0	
23228	2	5111.0	5095.0	16.0	4.0	12.0	
23229	2	5139.5	5110.0	29.5	20.0	9.5	
23230	3	5084.0	5068.0	16.0	11.0	5.0	
23230	4	5042.0	5021.0	21.0	6.0	15.0	
23233	2	5118.0	5094.0	24.0	3.0	21.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
23234	3	5082.0	5055.0	27.0	12.0	15.0	
23234	4	5048.0	5030.0	18.0	4.0	14.0	
23235	2	5122.0	5105.0	17.0	8.0	9.0	
23235	3	5090.0	5078.0	12.0	0.0	12.0	
23236	2	5122.0	5097.0	25.0	0.0	25.0	
23236	3	5096.0	5086.0	10.0	0.0	10.0	
23236	4	5062.0	5030.0	32.0	0.0	32.0	
233	1	5163.5	5157.5	6.0	0.0	6.0	
23336	2	5118.0	5095.0	23.0	0.0	23.0	
23336	3	5068.0	5058.0	10.0	0.0	10.0	
23337	2	5118.0	5096.0	22.0	0.0	22.0	
23339	2	5113.0	5096.0	17.0	0.0	17.0	
23339	3	5081.0	5070.0	11.0	0.0	11.0	
23340	2	5120.0	5095.0	25.0	9.0	16.0	
23341	2	5107.0	5103.0	4.0	0.0	4.0	
23341	3	5090.0	5082.0	8.0	0.0	8.0	
23342	2	5122.0	5102.0	20.0	5.0	15.0	
23342	3	5084.0	5076.0	8.0	0.0	8.0	
23342	4	5061.0	5051.0	10.0	0.0	10.0	
23401	2	5121.0	5098.0	23.0	8.0	15.0	
23401	3	5094.0	5085.0	9.0	0.0	9.0	
23401	4	5062.0	5030.0	32.0	0.0	32.0	
23401	5	5025.0	5017.0	8.0	0.0	8.0	
23407	2	5122.0	5114.0	8.0	0.0	8.0	
23407	3	5089.0	5078.0	11.0	0.0	11.0	
23407	4	5063.0	5023.0	40.0	9.0	31.0	
23504	1	5139.0	5128.0	11.0	0.0	11.0	
24031	2	5120.0	5111.0	9.0	0.0	9.0	
24035	3	5098.0	5088.0	10.0	0.0	10.0	
24041	2	5122.0	5112.0	10.0	0.0	10.0	
24080	1	5170.0	5150.0	20.0	0.0	20.0	
24082	1	5162.0	5148.0	14.0	0.0	14.0	
24083	1	5156.0	5142.0	14.0	0.0	14.0	
24086	1	5158.0	5135.0	23.0	0.0	23.0	
24087	1	5148.0	5136.0	12.0	0.0	12.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
24108	1	5156.0	5152.0	4.0	0.0	4.0	
24109	2	5152.0	5142.0	10.0	0.0	10.0	
24120	2	5138.0	5112.0	26.0	17.0	9.0	
24120	3	5106.0	5096.0	10.0	0.0	10.0	
24123	1	5158.0	5154.0	4.0	0.0	4.0	
24124	1	5180.0	5153.0	27.0	0.0	27.0	
24125	1	5168.0	5145.0	23.0	10.0	13.0	
24131	2	5108.0	5104.0	4.0	0.0	4.0	
24132	3	5097.0	5074.0	23.0	6.0	17.0	
24133	2	5107.0	5097.0	10.0	2.0	8.0	
24134	3	5090.0	5068.0	22.0	6.0	16.0	
24138	2	5108.0	5093.0	15.0	6.0	9.0	
24139	3	5091.0	5060.0	31.0	7.0	24.0	
24141	2	5118.0	5090.0	28.0	0.0	28.0	
24142	3	5090.0	5064.0	26.0	0.0	26.0	
24143	4	5064.0	5048.0	16.0	8.0	8.0	
24145	2	5122.0	5110.0	12.0	0.0	12.0	
24146	3	5095.0	5084.0	11.0	0.0	11.0	
24147	2	5127.0	5113.0	14.0	0.0	14.0	
24147	3	5099.0	5087.0	12.0	0.0	12.0	
24154	3	5106.0	5080.0	26.0	0.0	26.0	
24154	4	5069.0	5061.0	8.0	0.0	8.0	
24167	2	5105.0	5083.0	22.0	0.0	22.0	
24168	3	5090.0	5060.0	30.0	6.0	24.0	
24171	2	5123.0	5102.0	21.0	12.0	9.0	
24171	3	5100.0	5070.0	30.0	17.0	13.0	
24172	4	5040.0	5035.0	5.0	0.0	5.0	
24174	3	5100.0	5082.0	18.0	0.0	18.0	
24175	4	5063.0	5043.0	20.0	0.0	20.0	
24196	2	5117.0	5105.0	12.0	0.0	12.0	
24196	3	5096.0	5070.0	26.0	0.0	26.0	
24343	2	5120.0	5096.0	24.0	5.0	19.0	
24344	2	5104.0	5094.0	10.0	3.0	7.0	
24346	2	5108.0	5098.0	10.0	0.0	10.0	
24347	3	5095.0	5082.0	13.0	0.0	13.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
24347	4	5061.0	5044.0	17.0	0.0	17.0	
24348	3	5090.0	5081.0	9.0	0.0	9.0	
24348	4	5073.0	5048.0	25.0	0.0	25.0	
24349	3	5102.0	5077.0	25.0	0.0	25.0	
24350	3	5104.0	5082.0	22.0	0.0	22.0	
24351	3	5101.0	5080.0	21.0	0.0	21.0	
24352	3	5100.0	5084.0	16.0	0.0	16.0	
24352	4	5066.0	5044.0	22.0	10.0	12.0	
24353	3	5101.0	5082.0	19.0	0.0	19.0	
24354	2	5112.0	5107.0	5.0	0.0	5.0	
24354	3	5103.0	5082.0	21.0	0.0	21.0	
25004	AS	5244.5	5201.0	43.5	0.0	43.5	
25006	1	5155.0	5139.0	16.0	0.0	16.0	
25008	AS	5202.0	5177.0	25.0	0.0	25.0	
25009	1	5171.0	5132.0	39.0	0.0	39.0	
25010	2	5111.0	5097.0	14.0	0.0	14.0	ESTIMATED BASE
25012	1	5132.6	5124.8	7.8	0.0	7.8	
25012	1U	5177.0	5150.0	27.0	0.0	27.0	
25013	2	5108.2	5082.6	25.6	0.0	25.6	
25014	3	5069.6	5053.1	16.5	0.0	16.5	
25015	1	5158.0	5156.0	2.0	0.0	2.0	
25016	2	5138.0	5120.0	18.0	9.0	9.0	
25018	1	5151.0	5146.0	5.0	0.0	5.0	
25019	2	5115.0	5108.0	7.0	0.0	7.0	
25020	4	5070.0	5043.0	27.0	0.0	27.0	
25021	1	5138.6	5135.6	3.0	0.0	3.0	
25021	1U	5178.0	5173.5	4.5	0.0	4.5	
25021	2	5133.5	5111.0	22.5	0.0	22.5	
25021	AL	5202.0	5198.0	4.0	0.0	4.0	
25023	AS	5208.0	5199.0	9.0	0.0	9.0	
25024	1U	5174.0	5169.9	4.1	1.0	3.1	
25025	AM	5194.1	5187.3	6.8	5.0	1.8	
25025	AS	5219.6	5203.1	16.5	0.0	16.5	
25026	1U	5194.1	5172.0	22.1	9.3	13.1	
25029	1	5160.0	5131.0	29.0	0.0	29.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
25031	1	5177.0	5137.5	39.5	0.0	39.5	
25032	AU	5245.0	5229.0	16.0	0.0	16.0	
25033	AS	5223.0	5180.0	43.0	3.4	43.0	
25034	1	5170.0	5132.0	38.0	0.0	38.0	
25036	1U	5183.0	5157.0	26.0	10.0	16.0	
25036	AL	5213.0	5204.0	9.0	0.0	9.0	
25036	VC	5258.0	5231.0	27.0	0.0	27.0	
25037	1	5150.0	5137.0	13.0	0.0	13.0	
25037	2	5137.0	5116.0	21.0	0.0	21.0	
25040	1	5141.7	5126.4	15.3	0.0	15.3	
26002	1	5150.0	5143.0	7.0	0.0	7.0	
26005	1	5155.0	5148.0	7.0	0.0	7.0	
26006	1	5147.0	5143.0	4.0	0.0	4.0	
26009	1	5144.0	5137.0	7.0	0.0	7.0	ESTIMATED BASE
26010	1	5162.0	5155.0	7.0	0.0	7.0	
26012	1	5180.0	5139.0	41.0	0.0	41.0	
26014	2	5120.0	5112.0	8.0	0.0	8.0	
26020	1	5134.0	5130.0	4.0	0.0	4.0	
26021	1	5138.5	5127.0	11.5	0.0	11.5	
26027	1	5163.0	5147.0	16.0	0.0	16.0	
26028	1	5164.0	5144.0	20.0	0.0	20.0	
26029	1	5164.0	5141.5	22.5	0.0	22.5	
26030	1	5157.0	5132.0	25.0	0.0	25.0	
26031	1	5161.0	5131.0	30.0	0.0	30.0	
26042	2	5133.0	5113.5	19.5	0.0	19.5	
26043	2	5130.5	5115.0	15.5	0.0	15.5	
26044	1	5146.0	5141.0	5.0	0.0	5.0	
26048	1	5145.0	5134.0	11.0	4.0	7.0	
26051	1	5180.0	5139.0	41.0	0.0	41.0	
26052	1	5156.0	5130.0	26.0	0.0	26.0	
26053	1	5158.0	5138.0	20.0	0.0	20.0	
26055	1	5128.0	5124.0	4.0	0.0	4.0	
26055	1U	5179.0	5167.0	12.0	0.0	12.0	
26056	1U	5185.0	5180.0	5.0	0.0	5.0	
26060	1	5148.0	5138.0	10.0	0.0	10.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
26060	2	5129.0	5095.0	34.0	8.0	26.0	
26061	2	5132.2	5102.2	30.0	0.0	30.0	ESTIMATED BASE
26066	1	5152.0	5142.0	10.0	0.0	10.0	
26067	2	5124.0	5092.0	32.0	0.0	32.0	
26069	1	5157.0	5149.0	8.0	0.0	8.0	
26069	2	5143.0	5115.0	28.0	0.0	28.0	
26071	1	5160.0	5145.0	15.0	0.0	15.0	
26072	2	5116.0	5095.0	21.0	0.0	21.0	
26075	1	5145.0	5122.0	23.0	0.0	23.0	
26077	2	5124.0	5094.0	30.0	0.0	30.0	
26079	2	5131.0	5116.0	15.0	8.0	7.0	
26080	3	5106.0	5091.0	15.0	0.0	15.0	
26082	2	5120.0	5095.0	25.0	0.0	25.0	
26084	1	5148.0	5144.0	4.0	0.0	4.0	
26084	2	5124.0	5088.0	36.0	0.0	36.0	
26086	1	5155.0	5128.0	27.0	0.0	27.0	
26086	1U	5177.0	5166.0	11.0	0.0	11.0	
26087	1	5134.0	5124.0	10.0	0.0	10.0	
26090	2	5123.0	5103.0	20.0	0.0	20.0	
26092	1	5156.0	5140.0	16.0	4.0	12.0	
26092	2	5135.0	5101.0	34.0	0.0	34.0	
26094	2	5124.0	5092.0	32.0	0.0	32.0	
26096	1U	5173.0	5155.0	18.0	0.0	18.0	
26097	1	5163.0	5147.0	16.0	0.0	16.0	
26098	1U	5185.0	5182.0	3.0	0.0	3.0	
26098	AM	5233.0	5218.5	14.5	0.0	14.5	
26119	1	5167.0	5146.0	21.0	0.0	21.0	
26123	1	5178.0	5158.0	20.0	0.0	20.0	
26126	1	5135.0	5131.0	4.0	0.0	4.0	
26126	2	5113.0	5112.0	1.0	0.0	1.0	
26128	1	5162.5	5131.0	31.5	10.0	21.5	
26129	2	5128.5	5105.0	23.5	0.0	23.5	
26131	1	5165.5	5141.0	24.5	0.0	24.5	
26131	2	5129.0	5107.0	22.0	0.0	22.0	
26132	1	5146.0	5132.0	14.0	0.0	14.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
26132	2	5132.0	5103.0	29.0	0.0	29.0	
2613[illegible]	2	5122.0	5102.0	20.0	0.0	20.0	
26135	3	5092.0	5081.0	11.0	0.0	11.0	
26135	4	5058.0	5039.0	19.0	0.0	19.0	
26136	2	5116.0	5105.0	11.0	0.0	11.0	
26136	3	5078.0	5064.0	14.0	4.0	10.0	
26137	4	5034.0	5009.0	25.0	0.0	25.0	
26137	5	4995.0	4994.0	1.0	0.0	1.0	
26137	6	4974.0	4959.0	15.0	7.0	8.0	
26138	3	5093.0	5073.0	20.0	0.0	20.0	
26139	4	5028.0	5025.0	3.0	0.0	3.0	
26140	1	5167.0	5145.0	22.0	0.0	22.0	
26141	2	5121.5	5095.0	26.5	0.0	26.5	
26142	3	5057.0	5055.0	2.0	0.0	2.0	
26143	1	5174.0	5120.0	54.0	0.0	54.0	
26146	2	5118.0	5095.0	23.0	11.0	12.0	
26147	3	5084.0	5065.0	19.0	0.0	19.0	
26149	2	5138.8	5110.0	28.8	0.0	28.8	
26149	3	5096.0	5071.0	25.0	10.0	15.0	
26150	1	5145.0	5132.0	13.0	0.0	13.0	
26150	2	5132.0	5110.0	22.0	0.0	22.0	
26150	3	5099.2	5088.4	10.8	0.0	10.8	
26150	1U	5191.0	5181.0	10.0	0.0	10.0	
26151	1	5148.8	5132.8	16.0	0.0	16.0	
26151	2	5115.3	5091.6	23.7	0.0	23.7	
26151	3	5081.8	5073.9	7.9	0.0	7.9	
26153	2	5115.0	5112.0	3.0	0.0	3.0	
26153	3	5093.0	5077.0	16.0	10.0	6.0	
26153	4	5069.0	5053.0	16.0	2.0	14.0	
26156	1	5158.2	5145.7	12.5	0.0	12.5	
26156	2	5127.2	5101.3	25.9	8.0	17.9	
26156	3	5065.2	5058.7	6.5	0.0	6.5	
270	2	5116.0	5105.0	11.0	0.0	11.0	
27001	4	5079.0	5074.0	5.0	0.0	5.0	
27005	3	5085.0	5077.0	8.0	0.0	8.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
27006	3	5086.0	5084.0	2.0	0.0	2.0	
27007	3	5082.5	5075.0	7.5	0.0	7.5	
27008	3	5083.0	5077.5	5.5	0.0	5.5	
27020	1	5148.0	5146.0	2.0	0.0	2.0	
27021	1	5146.0	5143.0	3.0	0.0	3.0	
27024	2	5120.0	5113.0	7.0	0.0	7.0	
27029	2	5120.0	5112.0	8.0	0.0	8.0	
27033	2	5118.0	5113.0	5.0	0.0	5.0	
27041	2	5113.0	5107.0	6.0	0.0	6.0	
27042	4	5072.5	5069.0	3.5	0.0	3.5	
27050	2	5125.0	5109.0	16.0	0.0	16.0	
27051	3	5089.0	5070.0	19.0	0.0	19.0	
27052	3	5090.0	5085.0	5.0	0.0	5.0	
27054	4	5061.0	5047.0	14.0	0.0	14.0	
27055	5	5026.0	5015.0	11.0	0.0	11.0	
27057	3	5081.0	5065.0	16.0	10.0	6.0	
27058	4	5048.0	5041.0	7.0	0.0	7.0	
27060	2	5107.0	5084.0	23.0	3.0	23.0	
27061	3	5067.0	5064.0	3.0	0.0	3.0	
27061	5	5029.0	5014.0	15.0	0.0	15.0	
27063	4	5068.0	5063.0	5.0	0.0	5.0	
27082	2	5109.0	5100.0	9.0	0.0	9.0	
274	2	5113.5	5106.0	7.5	0.0	7.5	
277	2	5115.0	5111.5	3.5	0.0	3.5	
279	2	5113.5	5105.0	8.5	0.0	8.5	
28025	5	5042.0	5026.0	16.0	0.0	16.0	
28026	6	5024.0	5018.0	6.0	3.0	3.0	
28028	4	5084.0	5073.0	11.0	0.0	11.0	
28029	5	5057.0	5038.0	19.0	2.0	17.0	
281	3	5111.0	5106.5	4.5	0.0	4.5	
283	2	5114.0	5110.0	4.0	0.0	4.0	
29002	AU	5232.6	5206.9	25.7	0.0	25.7	
29003	1U	5146.6	5135.0	11.6	0.0	11.6	
30004	AL	5189.8	5185.8	4.0	0.0	4.0	
30005	1U	5164.1	5151.6	12.5	0.0	12.5	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
30006	1U	5176.7	5174.2	2.5	0.0	2.5	
30007	1	5140.7	5130.8	9.9	0.0	9.9	
30008	3	5068.4	5054.9	13.5	0.0	13.5	
30010	1	5157.9	5110.1	47.8	0.0	47.8	
30011	2	5078.9	5074.1	4.8	0.0	4.8	
31002	VC	5244.2	5220.7	23.5	0.0	23.5	
31004	AL	5175.3	5156.3	19.0	0.0	19.0	
31007	AM	5173.3	5167.5	5.8	0.0	5.8	
31008	1	5111.4	5092.2	19.2	0.0	19.2	
31010	AU	5199.4	5188.0	11.4	0.0	11.4	
31011	AL	5175.9	5154.2	21.7	0.0	21.7	
32002	AL	5154.4	5146.7	7.7	0.0	7.7	
32002	VC	5252.1	5184.6	67.5	0.0	67.5	
32003	2	5107.4	5058.4	49.0	0.0	49.0	
33026	7	5066.0	5047.0	19.0	0.0	19.0	
33027	8	5034.0	5027.0	7.0	0.0	7.0	
33029	7	5020.0	5016.0	4.0	0.0	4.0	
33029	8	4990.0	4980.0	10.0	3.0	7.0	
33031	6	5007.0	4999.0	8.0	0.0	8.0	
33032	7	4988.0	4970.0	18.0	10.0	8.0	
33034	4	5073.0	5063.0	10.0	0.0	10.0	
33035	5	5050.0	5046.0	4.0	0.0	4.0	
34001	2	5125.8	5117.8	8.0	0.0	8.0	
34003	3	5065.0	5059.0	6.0	0.0	6.0	
34004	4	5044.9	5037.1	7.8	0.0	7.8	
34006	2	5094.0	5085.0	9.0	3.5	5.5	
34007	3	5073.0	5069.0	4.0	0.0	4.0	
34009	3	5059.6	5051.1	8.5	0.0	8.5	
34010	4	5037.6	5029.3	8.3	0.0	8.3	
34011	3	5082.7	5072.4	10.3	0.0	10.3	
34011	4	5058.2	5048.2	10.0	4.7	5.3	
34012	1	5131.3	5112.8	18.5	0.0	18.5	
34012	1U	5162.3	5159.3	3.0	0.0	3.0	
34013	2	5107.3	5077.3	30.0	0.0	30.0	
35001	1U	5165.0	5153.0	12.0	0.0	12.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
35004	AL	5178.0	5172.5	5.5	0.0	5.5	
35005	1U	5168.0	5148.0	20.0	0.0	20.0	
35006	1U	5159.0	5133.0	26.0	0.0	26.0	
35003	1U	5175.0	5156.0	19.0	0.0	19.0	
35009	AL	5197.0	5181.0	16.0	0.0	16.0	
35010	1	5148.0	5142.0	6.0	0.0	6.0	
35012	1	5145.0	5129.3	15.7	0.0	15.7	
35012	1U	5163.0	5156.0	7.0	0.0	7.0	
35015	AU	5213.4	5212.0	1.4	0.0	1.4	
35016	1U	5175.0	5156.0	19.0	0.0	19.0	
35017	1	5128.0	5122.0	6.0	0.0	6.0	
35018	1U	5172.0	5136.0	36.0	0.0	36.0	
35019	2	5127.0	5115.0	12.0	0.0	12.0	
35021	1U	5163.4	5143.8	19.6	6.0	13.6	
35021	AL	5192.5	5181.9	10.6	0.0	10.6	
35024	AS	5215.8	5178.0	37.8	0.0	37.8	
35027	AL	5173.6	5166.9	6.7	0.0	6.7	
35027	AU	5211.1	5204.6	6.5	0.0	6.5	
35028	1U	5147.0	5142.0	5.0	0.0	5.0	
35030	AS	5210.4	5199.9	10.5	0.0	10.5	
35032	1	5143.0	5121.0	22.0	0.0	22.0	
35032	1U	5161.0	5143.0	18.0	0.0	18.0	
35033	2	5097.0	5091.0	6.0	0.0	6.0	
35035	1U	5188.0	5159.0	29.0	2.0	27.0	
35036	1	5143.0	5123.0	20.0	0.0	20.0	
35038	1	5148.5	5138.5	10.0	0.0	10.0	
35039	2	5128.5	5090.0	38.5	0.0	38.5	
35041	1	5137.0	5124.0	13.0	0.0	13.0	
35041	2	5110.0	5089.0	21.0	0.0	21.0	
35042	2	5105.0	5084.0	21.0	0.0	21.0	
35045	1U	5169.0	5157.0	12.0	0.0	12.0	
35049	1U	5168.4	5152.4	16.0	4.0	12.0	
35049	AL	5173.4	5172.4	1.0	0.0	1.0	
35051	1U	5173.0	5154.0	19.0	0.0	19.0	
35053	AM	5200.3	5188.3	12.0	4.0	3.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
35053	AU	5212.3	5205.3	7.0	0.0	7.0	
35054	AL	5195.9	5177.6	18.3	2.9	15.4	
35055	AL	5184.6	5182.2	2.4	0.0	2.0	
35055	AU	5212.9	5205.8	6.1	0.0	6.1	
35055	B	5250.4	5231.4	19.0	0.0	19.0	
35056	1U	5151.0	5127.0	24.0	0.0	24.0	
35059	1U	5162.0	5148.0	14.0	0.0	14.0	
35060	2	5128.0	5121.0	7.0	2.0	5.0	
35062	AL	5179.3	5166.5	12.8	4.3	8.5	
35063	1U	5152.0	5131.0	21.0	0.0	21.0	
35066	AL	5191.0	5174.3	16.7	0.0	16.7	
35067	1U	5169.0	5153.5	15.5	2.1	13.4	
35068	1	5136.0	5115.0	21.0	0.0	21.0	
35068	2	5115.0	5097.0	18.0	0.0	18.0	
35068	3	5093.0	5077.0	16.0	0.0	16.0	
35070	1U	5156.3	5153.2	3.1	0.0	3.1	
35071	1U	5135.7	5114.2	21.5	14.3	7.2	
35071	AS	5209.6	5181.0	28.6	0.0	28.6	
35072	1	5102.3	5093.0	9.3	0.0	9.3	
35073	AS	5209.0	5181.9	27.1	6.0	21.1	
35074	AL	5175.9	5170.9	5.0	0.0	5.0	
35078	1	5125.0	5120.8	4.2	0.0	4.2	
35078	1U	5170.0	5156.5	13.5	0.0	13.5	
35078	2	5108.0	5100.2	7.8	0.0	7.8	
35081	1	5136.7	5133.7	3.0	0.0	3.0	
35081	1U	5170.7	5161.4	9.3	0.0	9.3	
35081	2	5122.7	5101.0	21.7	0.0	21.7	
35082	1	5112.0	5106.0	6.0	0.0	6.0	
35082	1U	5147.0	5136.0	11.0	0.0	11.0	
35082	2	5097.7	5091.0	6.7	0.0	6.7	
35082	3	5077.1	5044.0	33.1	0.0	33.1	
35082	AL	5184.0	5182.0	2.0	0.0	2.0	
35082	AM	5208.0	5200.0	8.0	0.0	8.0	
35082	AU	5226.0	5224.0	2.0	0.0	2.0	
35088	1	5119.0	5108.3	10.7	0.0	10.7	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
35088	1U	5166.5	5147.3	19.2	0.0	19.2	
35089	2	5091.5	5083.0	8.5	0.0	8.5	
35089	3	5077.5	5046.5	31.0	0.0	31.0	
36002	AL	5200.5	5197.0	3.5	0.0	3.5	
36003	AS	5217.8	5211.8	6.0	0.0	6.0	
36004	AS	5221.6	5218.7	2.9	0.0	2.9	
36007	AS	5220.3	5214.8	5.5	0.0	5.5	
36008	AS	5219.2	5202.9	16.3	0.0	16.3	
36009	AS	5214.9	5210.1	4.8	0.0	4.8	
36010	AS	5210.5	5201.3	9.2	0.0	9.2	
36011	AS	5210.9	5201.8	9.1	0.0	9.1	
36012	AS	5213.6	5210.5	3.1	0.0	3.1	
36020	AM	5222.9	5206.9	16.0	0.0	16.0	
36024	AL	5205.5	5198.7	6.8	0.0	6.8	
36025	AS	5210.6	5204.4	6.2	0.0	6.2	
36026	AS	5213.6	5203.6	10.0	0.0	10.0	
36027	AM	5216.7	5206.7	10.0	0.0	10.0	
36029	AS	5216.6	5210.8	5.8	0.0	5.8	
36033	AS	5222.0	5207.0	15.0	0.0	15.0	
36034	AS	5223.0	5209.0	14.0	0.0	14.0	
36036	AS	5218.9	5191.5	27.4	0.0	27.4	
36037	AS	5216.8	5185.5	31.3	0.0	31.3	
36038	AS	5214.1	5181.1	33.0	0.0	33.0	
36039	AS	5209.1	5183.9	25.2	0.0	25.2	
36043	AM	5196.3	5190.0	6.3	0.0	6.3	
36044	AS	5221.2	5180.3	40.9	0.0	40.9	
36061	AL	5182.3	5182.1	0.2	0.0	0.2	
36061	AM	5199.9	5191.1	8.8	0.0	8.8	
36061	AU	5209.8	5209.6	0.2	0.0	0.2	
36062	AL	5174.8	5154.9	19.6	9.5	10.1	
36063	AL	5176.8	5159.0	17.8	7.7	10.1	
36066	1U	5146.7	5141.3	5.4	0.0	5.4	
36066	AL	5169.9	5156.3	13.6	0.0	13.6	
36066	AU	5216.8	5206.4	10.4	0.0	10.4	
36071	AM	5202.5	5193.0	9.5	0.0	9.5	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
36072	AL	5184.8	5170.7	14.1	0.0	14.1	
36076	AU	5223.6	5205.4	18.2	0.0	18.2	
36078	AS	5214.0	5208.0	6.0	0.0	6.0	
36079	1	5142.0	5132.0	10.0	0.0	10.0	
36079	1U	5163.0	5158.0	5.0	0.0	5.0	
36081	1U	5145.0	5140.0	5.0	0.0	5.0	
36081	AL	5181.7	5166.9	14.8	4.8	10.0	
36104	AM	5196.5	5176.9	22.6	13.2	9.4	
36105	AL	5169.9	5162.2	7.7	0.0	7.7	
36105	AM	5186.8	5169.9	16.9	0.0	16.9	
36105	AU	5209.2	5201.7	7.5	0.0	7.5	
36110	AS	5196.6	5193.5	3.1	0.0	3.1	
36113	AL	5168.0	5167.5	0.5	0.0	0.5	
36113	AM	5201.0	5198.0	3.0	0.0	3.0	
36113	AS	5207.3	5206.3	1.0	0.0	1.0	
36114	1	5146.0	5126.0	20.0	0.0	20.0	
36114	2	5126.0	5100.0	26.0	0.0	26.0	
36116	AU	5257.8	5244.8	13.0	0.0	13.0	
36117	AM	5224.3	5209.8	14.5	0.0	14.5	
36118	AU	5209.0	5201.0	8.0	0.0	8.0	
36119	AM	5176.9	5158.6	18.3	0.0	18.3	
36121	AM	5180.6	5174.8	5.8	0.0	5.8	
36122	AM	5158.6	5151.9	6.7	0.0	6.7	
36147	1U	5162.6	5161.4	1.2	0.0	1.2	
36147	AL	5212.3	5204.9	7.4	0.0	7.4	
36147	AM	5219.0	5216.5	2.5	4.2	9.9	
36147	AU	5224.2	5222.7	1.5	0.0	1.5	
36148	2	5110.0	5090.0	20.0	0.0	20.0	TOP/BASE ARE APPROX.
36148	3	5090.0	5074.0	16.0	0.0	16.0	TOP/BASE ARE APPROX.
36149	1U	5175.0	5155.0	20.0	2.6	17.4	
36150	1	5144.0	5110.0	34.0	0.0	34.0	TOP/BASE ARE APPROX.
36150	AS	5223.6	5204.6	19.0	0.0	19.0	
36154	1U	5126.7	5116.3	10.4	0.0	10.4	
36155	AL	5160.1	5156.0	4.1	0.0	4.1	
36155	B	5243.3	5231.3	12.0	0.0	12.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
36156	1U	5125.0	5117.5	7.5	0.0	7.5	
36156	AL	5155.0	5153.0	2.0	0.0	2.0	
36156	AM	5199.5	5171.2	28.3	0.0	28.3	
36169	AM	5169.0	5165.0	4.0	0.0	4.0	
36170	1	5114.0	5095.0	19.0	0.0	19.0	
36170	1U	5137.0	5134.0	3.0	0.0	3.0	
36170	2	5095.0	5073.0	22.0	0.0	22.0	
36170	AL	5158.0	5153.0	5.0	0.0	5.0	
36179	1	5141.0	5118.0	23.0	0.0	23.0	
36179	1U	5163.0	5152.0	11.0	0.0	11.0	
36179	2	5118.0	5090.0	28.0	0.0	28.0	
36182	AS	5222.0	5174.0	48.0	19.0	29.0	
36183	AL	5157.0	5143.0	14.0	1.0	13.0	
36183	AM	5164.0	5162.0	2.0	0.0	2.0	
37305	3	5088.0	5077.0	11.0	0.0	11.0	
37305	4	5061.0	5042.0	19.0	0.0	19.0	
37307	2	5123.0	5105.0	18.0	0.0	18.0	
37307	3	5090.0	5078.0	12.0	3.0	9.0	
37307	4	5056.0	5032.0	24.0	0.0	24.0	
37318	3	5096.0	5075.0	21.0	10.0	11.0	
37320	4	5086.0	5050.0	35.0	11.0	24.0	
37371	3	5090.0	5078.0	12.0	0.0	12.0	
37372	4	5060.0	5035.0	25.0	0.0	25.0	
37376	3	5091.0	5085.0	6.0	0.0	6.0	
37377	5	5033.0	5024.0	9.0	0.0	2.0	
37377	3	5084.0	5082.0	2.0	0.0	2.0	
37377	4	5069.0	5045.0	23.0	4.0	19.0	
37387	2	5108.0	5095.0	13.0	6.0	7.0	
37387	3	5095.0	5072.0	23.0	0.0	23.0	
37387	4	5062.0	5033.0	29.0	8.0	21.0	
37389	2	5106.0	5094.0	12.0	0.0	12.0	
37390	3	5090.0	5073.0	17.0	7.0	10.0	
37391	4	5078.0	5052.0	26.0	0.0	26.0	
37391	5	5046.0	5031.0	15.0	2.0	13.0	
37392	5	5039.0	5032.5	6.5	0.0	6.5	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
37392	4	5068.0	5054.0	14.0	3.0	11.0	
404	1	5143.0	5135.0	8.0	0.0	8.0	ESTIMATED BASE
424	1	5151.5	5141.0	10.5	0.0	10.5	
438	2	5132.0	5120.0	12.0	0.0	12.0	ESTIMATED BASE
5007	1	5141.0	5121.0	20.0	0.0	20.0	
657	1U	5169.0	5145.0	24.0	0.0	24.0	
70	2	5116.0	5096.0	20.0	3.0	17.0	ESTIMATED BASE
83	4	5080.0	5071.0	9.0	0.0	9.0	
84	4	5069.0	5063.0	6.0	0.0	6.0	
561	1	5140.0	5125.0	15.0	0.0	15.0	
862	1	5165.0	5158.0	7.0	0.0	7.0	
876	1	5167.5	5143.0	24.5	0.0	24.5	
878	1	5165.0	5154.0	11.0	0.0	11.0	
880	1	5163.0	5146.0	17.0	0.0	17.0	
881	1	5166.0	5146.0	20.0	0.0	20.0	
973	1	5138.0	5122.0	16.0	0.0	16.0	
973	2	5120.0	5106.0	14.0	0.0	14.0	
975	2	5123.0	5095.0	28.0	10.0	18.0	
975	3	5080.0	5068.0	12.0	0.0	12.0	
975	4	5056.0	5042.0	14.0	9.0	5.0	
975	5	5022.4	5018.4	4.0	0.0	4.0	
975	6	4998.4	4988.4	10.0	3.0	7.0	
975	7	4954.4	4952.4	2.0	0.0	2.0	
975	8	4934.4	4932.4	2.0	0.0	2.0	
975	9	4871.4	4869.4	2.0	0.0	2.0	
995	2	5123.0	5105.0	18.0	10.0	8.0	
995	3	5088.0	5060.0	28.0	0.0	28.0	
995	4	5060.0	5032.0	28.0	10.0	18.0	
995	7	4978.0	4961.0	17.0	0.0	17.0	
995	8	4930.0	4928.0	2.0	0.0	2.0	
995	9	4899.0	4893.0	6.0	0.0	6.0	
AX009	1	5152.0	5150.0	2.0	0.0	2.0	
AX010	1	5145.5	5142.0	3.5	0.0	3.5	
AX019	1	5148.0	5146.0	2.0	0.0	2.0	
AX032	1	5164.0	5154.0	10.0	0.0	10.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
AX033	1	5162.0	5159.0	3.0	0.0	3.0	
AX034	1	5164.0	5144.0	20.0	0.0	20.0	
AX040	1	5157.0	5147.0	10.0	0.0	10.0	
AX042	1	5159.5	5150.0	9.5	0.0	9.5	
AX068	2	5114.0	5107.0	7.0	0.0	7.0	
B-05	2	5112.0	5110.0	2.0	0.0	2.0	
E-69	2	5114.0	5108.0	6.0	0.0	6.0	
E-69	3	5083.0	5072.0	11.0	0.0	11.0	
E-69	4	5056.0	5044.0	12.0	0.0	12.0	
E-75	3	5098.0	5085.0	13.0	0.0	13.0	
E-75	4	5085.0	5077.0	8.0	0.0	8.0	
EP-19	2	5116.0	5098.0	18.0	7.0	11.0	
EP-19	3	5080.0	5068.0	12.0	0.0	12.0	
EP-19	4	5061.0	5032.0	29.0	0.0	29.0	
EP-19	5	5026.0	5017.0	9.0	0.0	9.0	
EP-28	2	5108.0	5090.0	18.0	0.0	18.0	
RM87-4A	1	5139.0	5124.0	15.0	0.0	15.0	

APPENDIX A.2: BEDROCK ELEVATIONS AND SCREENED DENVER FM ZONES OR UNITS

BEDROCK_ELEVATIONS_AND_SCREENED_ZONES_OR_UNITS

EXPLANATION

An estimated bedrock elevation is listed where survey data were unavailable or where, due to the lithologic description from a boring log or other source, the elevation of the bedrock is tenuous.

Where both an estimated bedrock elevation and a bedrock elevation are listed, the estimated bedrock elevation was used to contour the bedrock surface elevation map, because the surveyed elevation was unavailable at the time of contouring.

Wells screened in the alluvium are not included on this list. See Water Chemistry Summary, 3rd Quarter, 1987 for bedrock depths.

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
01006	VC	5247.9	
01007	VC	5270.4	
01008	VC	5251.2	
01012	VC	5258.5	
01013	VC	5257.7	
01014	VC	5262.5	
01015	AU	5262.5	
01016	VC	5261.0	
01018	VC	5258.9	
01019	VC	5250.9	
01022	AM	5199.3	
01023	1U	5198.7	
01025	AU	5185.4	
01026	AL	5185.3	
01028	AS AU	5244.8	
01029	AL	5244.7	
01030	VCE	5251.1	
01031	AU	5253.4	
01032	AM	5251.3	
01034	AM	5238.2	
01035	AL	5238.5	
01036	AU	5250.6	
01037	AML	5250.6	
01039	AU	5244.9	
01040	AML	5244.9	
01042	AL	5243.8	
01043	1	5243.8	
01045	AM	5237.8	
01046	2	5237.8	
01047	VC	5245.3	
01048	2	5245.3	
01049	ALL VC	5240.1	
01050	AS	5240.1	
01052	ALL VC	0.0	5150.0
01053	VCE	0.0	5150.0
01054	ALL VCE	0.0	5150.0
01055	VCE	0.0	5150.0
01056	VCE	0.0	5150.0
01066	VC	5264.9	
01067	AUS	5264.3	
01068	AS AU	5264.7	
01515	VC	5265.7	
01516	VC	5265.1	
01517	VC	5269.6	
01520	VC	5266.1	
01521	VC	5265.6	
01522	VC	5260.5	
01523	VC	5272.5	
01524	VC	5254.4	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
01526	VC	5263.8	
01529	VC	5264.9	
01530	VC	5267.0	
01531	VC	5260.2	
01532	VC	5267.7	
01533	VC	5262.3	
01534	VC	5261.3	
01535	VC	5255.0	
01536	VC	5249.0	
01537	VC	5261.9	
01538	VC	5265.5	
01539	VC	5262.7	
01540	VC	5261.0	
01541	VC	5257.0	
01542	VC	5252.2	
01547	B VCE	5262.3	
01548	VC	5265.0	
01549	VC	5260.6	
01550	VC	5264.3	
01551	VC	5259.7	
01552	VC	5260.1	
01553	VC	5262.1	
01554	VC	5263.4	
01555	VC	5260.8	
01556	VC	5259.1	
01557	VC	5259.4	
01558	VC	5251.8	
01559	VC	5255.7	
01560	VC	5252.5	
01563	VCE	5259.0	
01564	VC	5250.3	
01565	VC	5259.4	
01566	VC	5265.5	
01567	VC	5268.4	
01568	VC	5266.1	
01569	VC	5265.2	
01570	VC	5268.5	
01571	VC	5264.6	
01586	VC	5245.4	
01587	VC	5253.5	
01588	VC	5257.0	
01589	VC	5262.8	
01701	VC	0.0	5253.0
01702	VC	0.0	5244.0
02003	VC	5264.6	
02004	AS	5264.6	
02005	VC	5266.5	
02006	VC	5262.7	
02007	VC	5245.1	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
02009	2	5131.7	
02010	3	5131.8	
02012	1U	5143.8	
02013	2	5143.6	
02015	1U	5180.6	
02016	2	5180.7	
02018	AU	5241.1	
02019	AL	5240.9	
02021	AL	5188.2	
02022	1U	5188.4	
02024	AM	5208.9	
02025	1U	5208.9	
02027	AM	5170.8	
02028	1U	5170.6	
02030	AUM	5259.4	
02031	1U	5259.0	
02032	AML	5233.1	
02033	1U	5233.1	
02035	AMU	5217.7	
02036	1U	5217.7	
02038	AM	5216.1	
02039	1U	5216.1	
02041	AM	5213.1	
02042	1U	5213.1	
02043	AU	5254.2	
02044	AL	5254.2	
02045	AMU	5256.1	
02046	1U	5256.1	
02047	AS	5261.7	
02048	1U	5261.7	
02543	VC	5271.7	
02544	VC	5267.6	
02545	VC	5259.1	
02561	VC	5250.9	
02562	VC	5251.2	
02572	VC	5245.9	
02573	VC	5243.2	
02574	VC	5236.7	
02575	VC	5239.8	
02576	VC	5240.0	
02577	VC	5235.7	
02578	VC	5235.3	
02579	VC	5230.6	
02580	VC	5236.2	
02581	VC	5248.3	
02582	VC	5249.4	
02583	VC	5245.4	
02584	VC	5246.5	
02585	VC	5246.4	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
02594	VC	5263.1	
03003	3	5090.4	
03004	4	5090.8	
03006	2	5136.1	
03007	7	5135.8	
04008	3	5094.8	
04009	5	5094.7	
04011	5	5106.6	
04012	6	5106.6	
05001	B	5287.6	
05002	B	5281.4	
05003	B	5280.9	
06004	A SH	5226.4	
06005	AL LG	5226.6	
07004	B	5271.5	
07005	VC	5270.8	
08004	B	5261.6	
08005	AL LG	5261.2	
09003	2	5125.0	
09004	4	5124.1	
11003	B	5185.1	
11004	AU	5185.1	
12003	B	5225.7	
12004	AU	5225.9	
19001	1	5147.0	
19002	2	5161.5	
19003	1	5174.9	
19005	1 SH	5143.5	
19006	1	5138.2	
19007	1	5142.9	
19011	1	5190.3	
19015	2	5165.6	
19016	3	5164.4	
19017	1	5173.1	
19018	2 SH	5173.0	
19019	4	5173.0	
22002	4 5	5107.4	
22023	4	5064.5	
22024	5	5064.6	
22027	3	5111.1	
22028	4	5111.0	
22030	4	5112.5	
22031	5	5112.4	
22312	3 SH	5094.9	
23023	2	5129.1	
23053	2 SH	5123.5	
23054	1 SH	5139.0	
23055	1	5141.2	
23056	1	5132.9	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
23061	1	5147.8	
23062	1 SH	5139.4	
23106	2 SH	5134.8	
23125	1	5136.6	
23144	2	5128.4	
23154	SH	0.0	5135.0
23155	1	0.0	5125.0
23161	3	5129.0	
23163	3	5137.0	
23167	2	5124.1	
23168	3	5124.1	
23169	4	5124.4	
23171	2	5132.5	
23172	2	5130.9	
23176	2	5131.0	
23177	2	5133.7	
23180	2	5140.8	
23181	2	5140.8	
23182	2	5127.9	
23183	4	5127.0	
23184	5	5127.6	
23185	1 SH	5145.6	
23186	2	5146.6	
23187	4	5146.5	
23189	2	5134.4	
23190	3	5134.3	
23192	3	5138.1	
23193	4	5138.0	
23199	1 SH	5134.3	
23200	3	5127.0	
23201	4	5126.6	
23202	2	5128.8	
23203	2	5128.3	
23204	2	5125.9	
23209	3	5129.3	
23210	8	5128.9	
23218	2	5127.4	5128.4
23219	3	5127.4	5128.4
23226	2	5124.4	
23227	2	5129.8	5131.0
23228	2	5129.8	5131.0
23340	2	0.0	5126.0
24063	2 SH	5138.3	
24080	1	5170.3	
24082	1	5160.9	
24083	1	5153.8	
24086	1	5158.9	
24087	1	5149.4	
24089	1	5156.1	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
24090	1	5152.4	
24108	1	5164.7	
24109	2 SH	5168.8	
24120	3	5152.9	
24124	1	5179.8	
24125	1	5170.8	
24126	1 SH	5144.2	
24127	2	5129.2	
24130	2 SH	5126.6	
24131	3	5120.4	
24132	3	5120.4	
24133	2	5125.9	
24134	3	5125.9	
24135	2	5132.8	
24136	3	5132.8	
24137	4	5132.8	
24138	2	5131.2	
24139	3	5131.2	
24140	2	5120.1	
24141	3	5120.1	
24142	3	5114.1	
24143	4	5114.1	
24144	3	5117.7	
24145	2	5121.3	
24146	3	5121.3	
24147	3	5138.9	
24159	4	5129.1	
24167	2	5129.5	
24168	3	5129.1	
24171	2	5122.7	
24172	5	5122.6	
24174	3	5121.5	
24175	4	5121.8	
24184	2	5128.1	
24191	2	5122.9	5120.0
25004	AS	5249.0	
25005	1	5184.2	
25006	1	5184.2	
25007	1	5157.1	
25008	AS	5202.0	
25009	1	5202.9	
25010	2	5202.4	
25012	1	5177.1	
25013	2	5177.1	
25014	1	5176.7	
25015	1	5157.5	
25016	2	5157.5	
25017	2	5157.5	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
25019	2	5145.7	
25020	4	5145.7	
25021	2	5210.9	
25023	AL	5214.9	
25024	1U	5214.4	
25025	1U	5226.1	
25026	1U	5226.1	
25027	AS	5179.5	
25028	1 S.	5179.4	
25029	1	5179.6	
25030	AS	5186.8	
25031	1	5186.7	
25032	AU	5250.7	
25033	AS	5250.8	
25034	1	5250.5	
25035	VC	5236.1	
25036	AL	5235.9	
25037	1	5236.4	
25039	1U	5184.9	
25040	1	5185.1	
26019	1	5145.4	
26021	1	5137.2	
26022	1	5144.4	
26023	1	5149.3	
26024	1 SH	5153.3	
26025	1 SH	5152.9	
26026	1	5159.2	
26027	1 SH	5165.5	
26028	1 SH	5163.4	
26029	1	5163.6	
26030	1 SH	5173.4	
26031	1	5171.4	
26041	1 SH	5145.2	
26042	2	5141.7	
26043	2	5144.1	
26047	1 SH	5138.7	
26051	1	5166.0	
26052	1	5173.2	
26053	1	5162.5	
26054	1U	5208.3	
26055	1	5206.9	
26056	1U	5205.1	
26057	1	5191.3	
26058	1	5183.6	
26060	2	5176.3	
26061	2	5146.2	
26063	1U	5190.3	
26064	1U	5190.3	
26066	1	5164.7	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
26067	2	5164.7	
26069	2	5161.4	
26071	1	5160.0	
26072	2	5160.0	
26074	1U	5174.0	
26075	1	5174.0	
26077	2	5151.8	
26079	2	5152.6	
26080	3	5152.6	
26082	2	5144.8	
26084	2	5148.8	
26086	1	5178.0	
26089	2	5139.0	
26090	3	5139.0	
26092	2	5157.4	
26094	2	5159.5	
26096	1U	5176.8	
26097	1U	5211.1	
26098	AM	5222.6	
26123	1	5178.4	
26128	1	5160.8	
26129	2	5160.8	
26130	2	5160.9	
26131	1	5165.4	
26132	2	5145.1	
26134	2	5148.7	
26135	4	5148.7	
26136	4	5140.5	
26137	6	5140.5	
26138	3	5138.0	
26139	4 SH	5138.0	
26140	1	5173.6	
26141	2	5173.6	
26142	3 SH	5173.6	
26144	1	5174.4	
26146	2	5140.9	
26147	3	5140.0	
27021	1	5149.4	
27022	1 SH	5151.0	
27029	2	5121.6	
27033	2	5116.0	
27049	2	5140.7	
27054	4	5088.1	
27055	5	5088.0	
27057	3	5095.0	
27058	4	5095.1	
27060	2	5127.8	
27061	5	5127.8	
28025	5	5080.2	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
28026	6	5080.3	
28028	4	5091.7	
28029	5	5091.7	
28030	3	0.0	5100.4
29002	AU	5241.6	
29003	1U	5241.6	
30004	AL	5207.3	
30005	1U	5207.3	
30006	1U	5187.7	
30007	1	5187.7	
30008	3	5187.7	
30010	1	5181.6	
30011	2	5181.6	
31002	VCE	5242.7	
31004	AL	5231.1	
31006	AM	5179.8	
31007	AL	5179.8	
31008	1U	5179.8	
31010	AU	5206.2	
31011	AL	5206.2	
32002	AL	5229.3	
32003	2	5229.3	
33015	4	5095.4	
33016	4	5095.0	
33026	7	5091.6	
33027	8	5090.8	
33029	8	5040.3	
33031	6	5054.5	
33032	7	5054.3	
33034	4	5095.5	
33035	5	5095.3	
34003	3	5106.4	
34004	4	5106.2	
34006	2	5110.4	
34007	4	5110.6	
34009	3	5080.3	
34010	4	5080.1	
35005	1U SH	5177.9	
35008	VCE	5193.7	
35009	1U	5203.8	
35010	1U	5175.3	
35012	1U	5195.8	
35013	A	5260.9	
35014	A	5256.0	
35015	AU	5245.0	
35016	1U	5196.8	
35017	1	5196.8	
35019	2	5188.1	
35021	1U	5192.4	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
35024	AS	5215.8	
35027	AL SH	5211.1	
35028	1U	5211.1	
35030	VCE	5229.4	
35032	1	5179.1	
35033	2	5179.1	
35035	1U	5190.0	
35036	1	5190.0	
35038	1	5165.5	
35039	2	5165.5	
35041	2	5163.7	
35049	1U	5180.9	
35050	AL SH	5210.8	
35051	1U	5210.8	
35054	AL	5205.4	
35055	AU	5262.0	
35056	1U	5261.7	
35059	1U	5177.4	
35060	2	5177.4	
35062	AL	5208.6	
35063	1U	5209.0	
35066	AL	5203.1	
35067	1U	5203.1	
35068	1 2 & 3	5202.9	
35070	1U	5198.4	
35071	AS	5261.0	
35072	1	5261.0	
35073	AS	5251.4	
35074	VC	5251.4	
36002	AL	5210.0	
36003	AS	5217.8	
36004	VCE	5228.1	
36007	AS	5220.3	
36008	AS	5218.1	
36009	AS	5214.9	
36010	AS	5210.5	
36011	AS	5210.9	
36012	AS	5213.5	
36020	AS	5222.9	
36024	AL	5209.5	
36025	A SH	5210.6	
36026	AS	5213.6	
36027	AM	5218.2	
36029	AS	5216.6	
30033	AS	5222.0	
36034	A SH	5223.0	
36036	AS	5218.9	
36037	AS	5216.8	
36038	AS	5214.1	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
36039	A SH	5209.1	
36043	AM	5196.3	
36044	AS	5220.8	
36045	A	5228.5	
36046	A	5223.5	
36047	AS	5222.0	
36055	VC	5229.4	
36056	VC	5217.9	
36057	A	5202.8	
36058	VCE	5236.6	
36059	A SH	5236.6	
36061	1U	5224.4	
36062	VCE	5219.5	
36064	AL	5225.9	
36066	AL	5221.6	
36067	1U	5217.4	
36068	VCE	5224.1	
36069	VCE	5229.5	
36071	AM	5202.5	
36072	AL	5202.5	
36078	A SH	5217.5	
36079	1 SH	5217.5	
36083	1U	5204.7	
36086	VCE	5242.8	
36090	VC	5231.9	
36092	AS	5197.3	
36094	AS	5196.4	
36096	AS	5199.2	
36099	AS	5200.4	
36100	AL	5199.0	
36104	1U	5217.4	
36105	AM	5229.5	
36107	A	5234.3	
36110	AS	5231.0	
36113	1U	5214.5	
36114	1 2	5214.3	
36116	AU	5273.3	
36117	AM	5273.3	
36118	AU	5256.6	
36119	AM	5256.6	
36121	AM	5211.1	
36122	AM	5211.1	
36138	AS	5222.7	
36139	AS	5222.7	
36140	AS	5222.7	
36141	A	5222.0	
36146	AM	5225.5	
36147	1U SH	5225.3	
36148	1 2 & 3	5223.6	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
36149	1U	5224.0	
36151	VC	5257.2	
36152	VC	5232.6	
36153	VC	5228.7	
36154	1U	5246.8	
36155	AL	5246.9	
36156	1U	5238.5	
36157	A	5238.5	
36160	1 SH	5234.5	
36592	A SH	5230.6	
37316	5	5095.0	
37317	4	5095.0	
37318	3	5093.0	
37319	6	5094.0	
37321	4	5095.0	
37322	5	5096.0	
37323	2	5120.0	
37365	4	5076.9	
37371	3	5091.3	5090.0
37372	4	5091.5	5090.0
37376	3	5105.6	5108.7
37379	3	5091.3	5092.3
37380	4	5092.0	5092.3
37382	3	5077.8	5077.8
37387	2	5118.2	5117.4
37388	4	5118.4	5117.4
37390	3	5103.9	5100.0

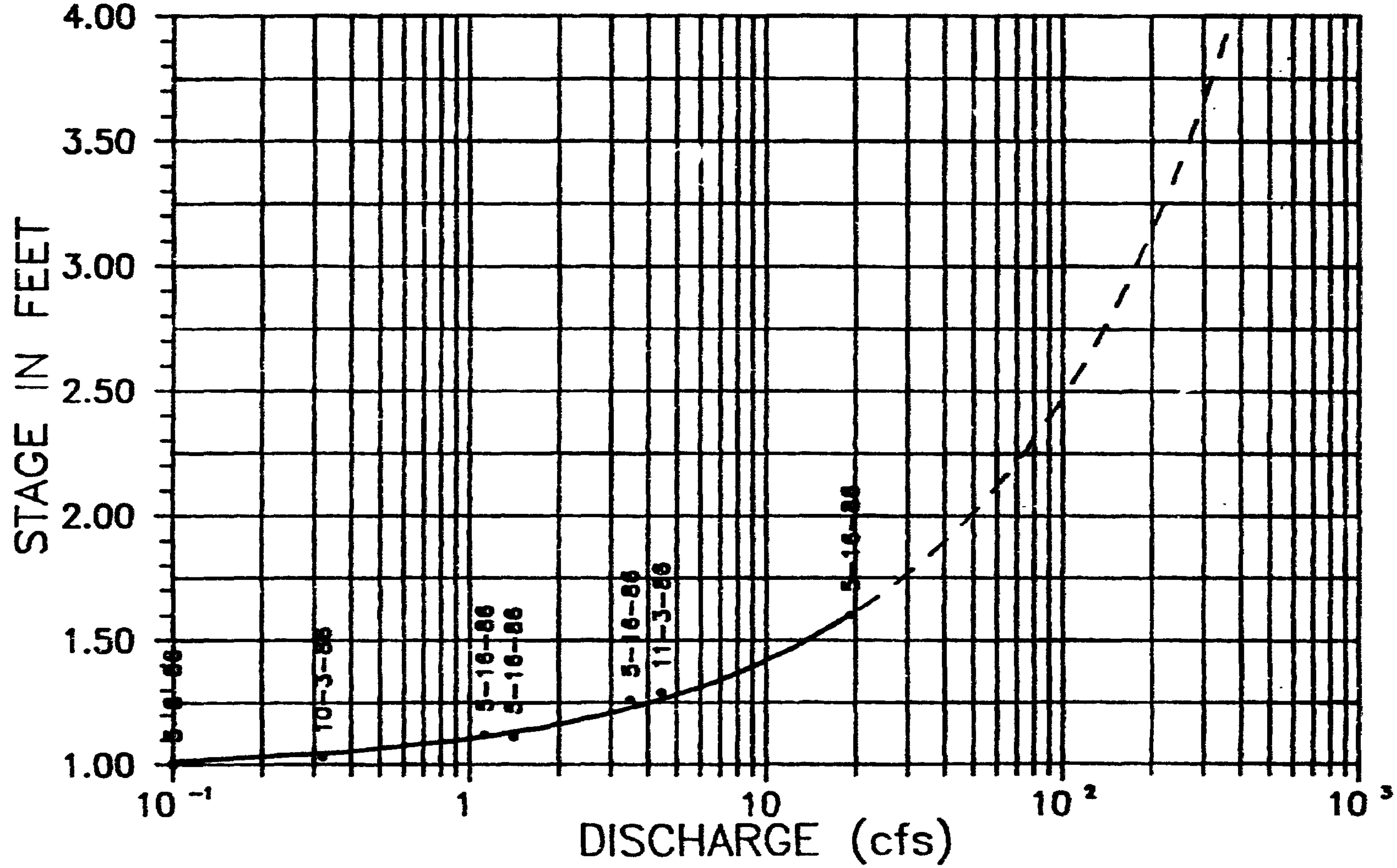
APPENDIX B

HYDROLOGIC DATA

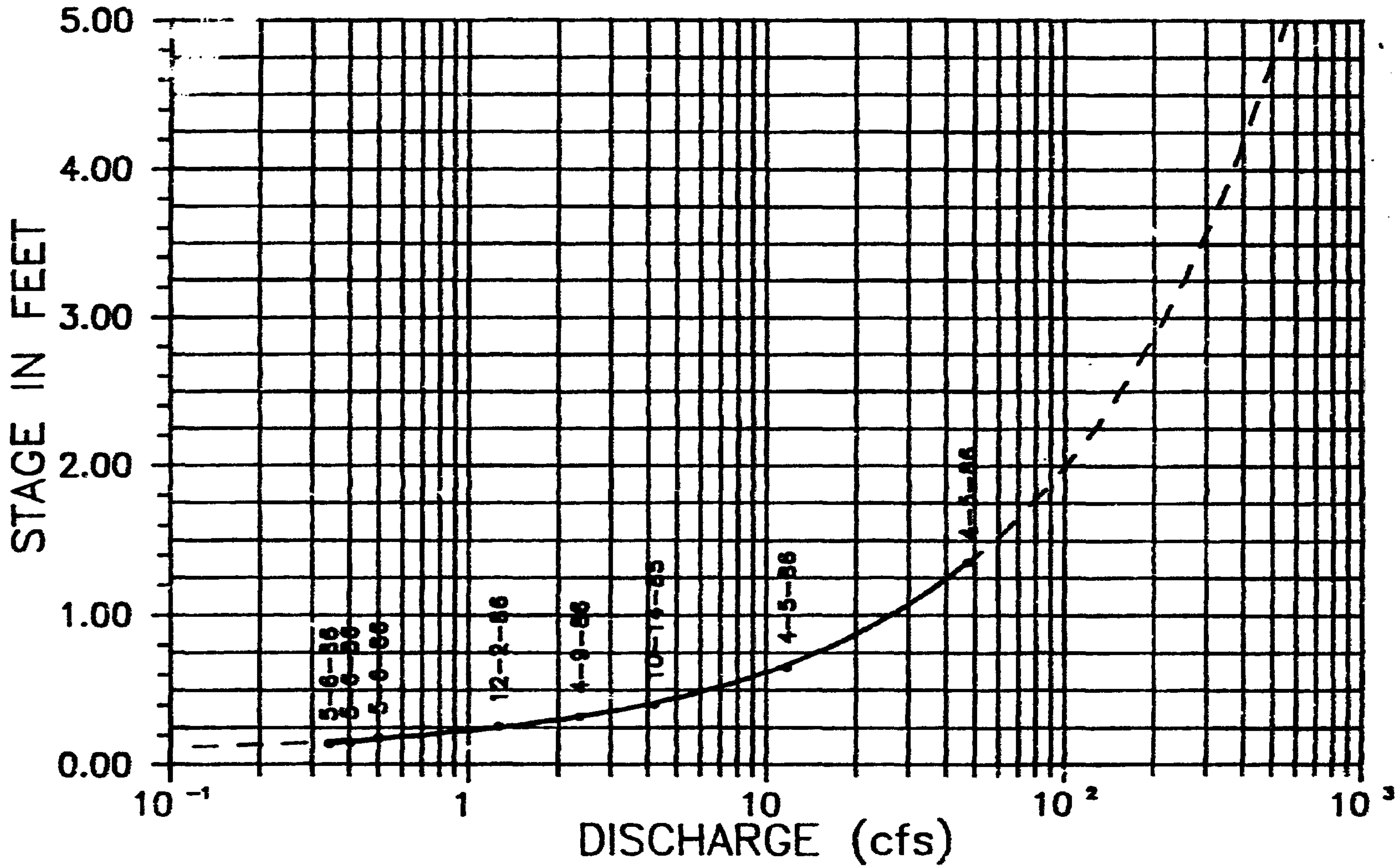
APPENDIX B.1: SURFACE WATER DATA

RATING CURVES FOR RMA STREAM GAGING STATIONS

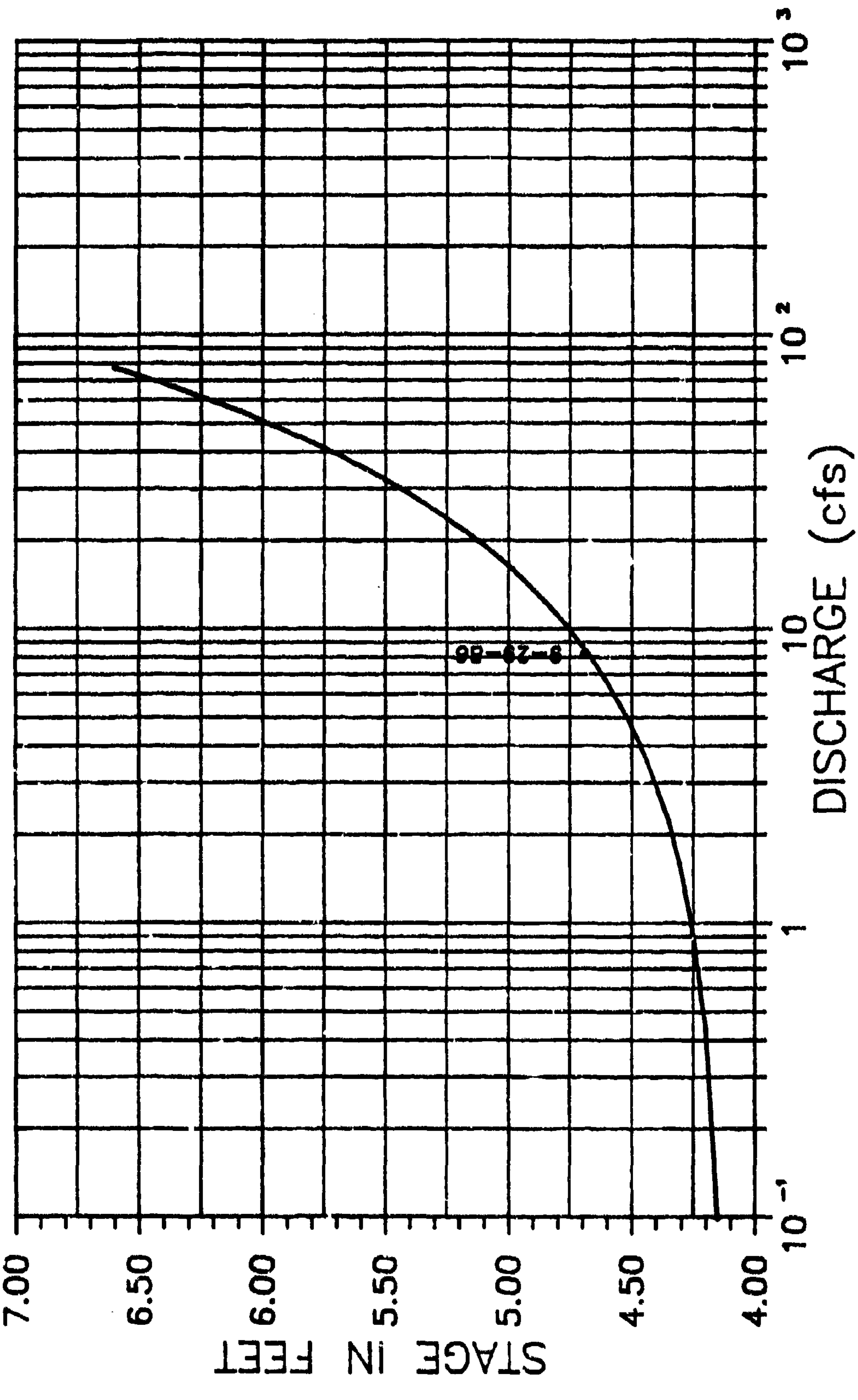
PEORIA INTERCEPT RATING CURVE



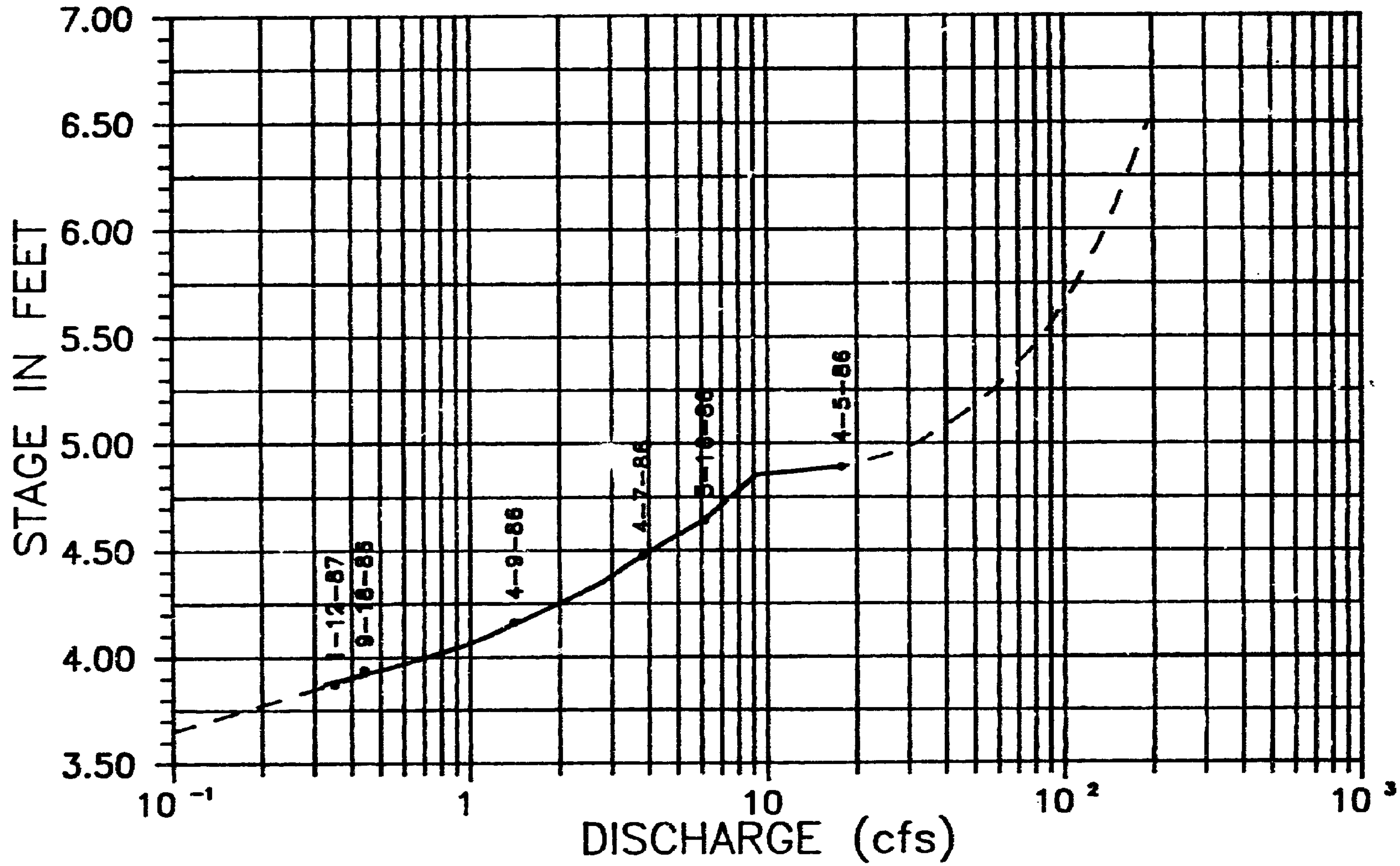
HAVANA INTERCEPT RATING CURVE



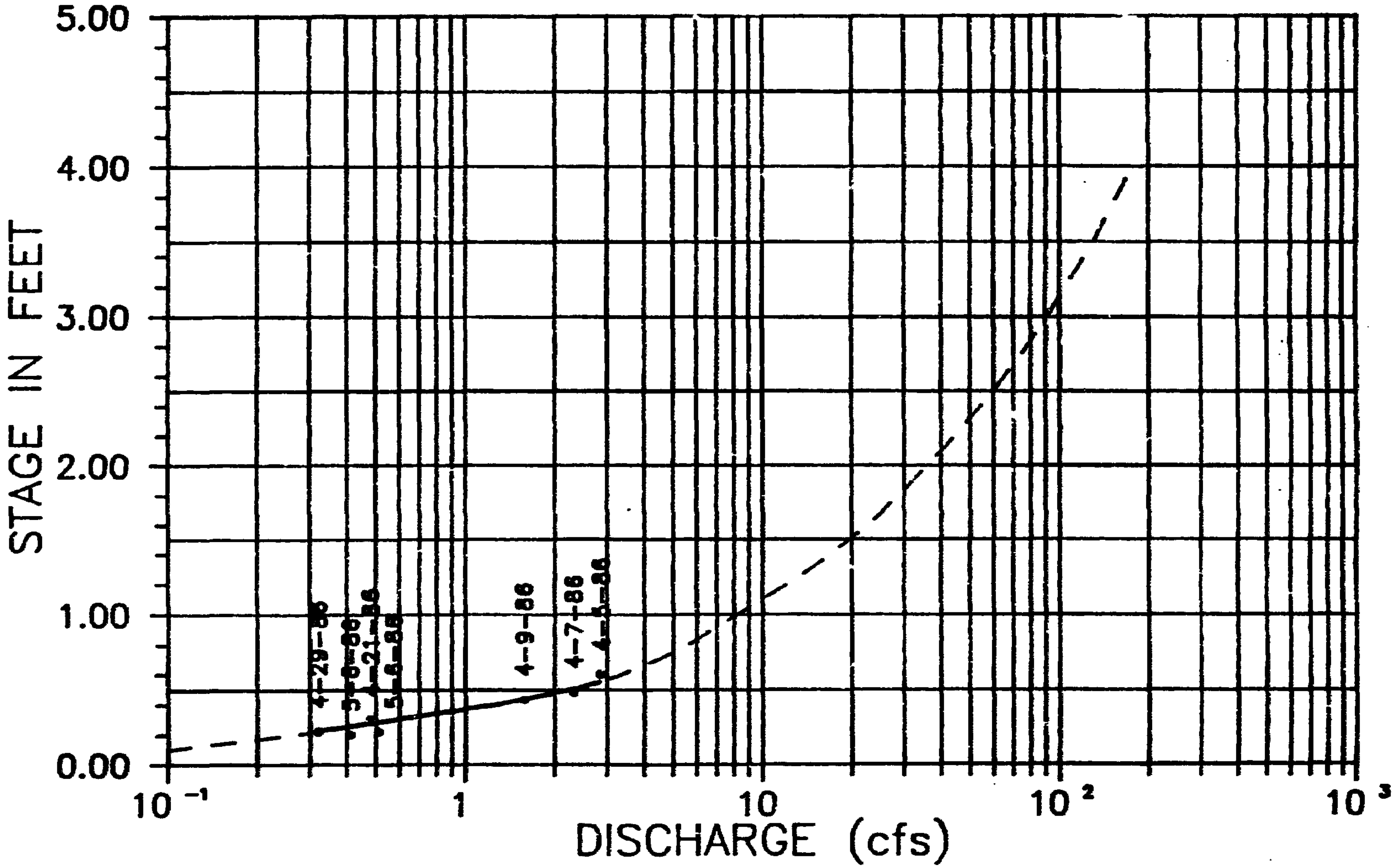
LADORA WEIR RATING CURVE



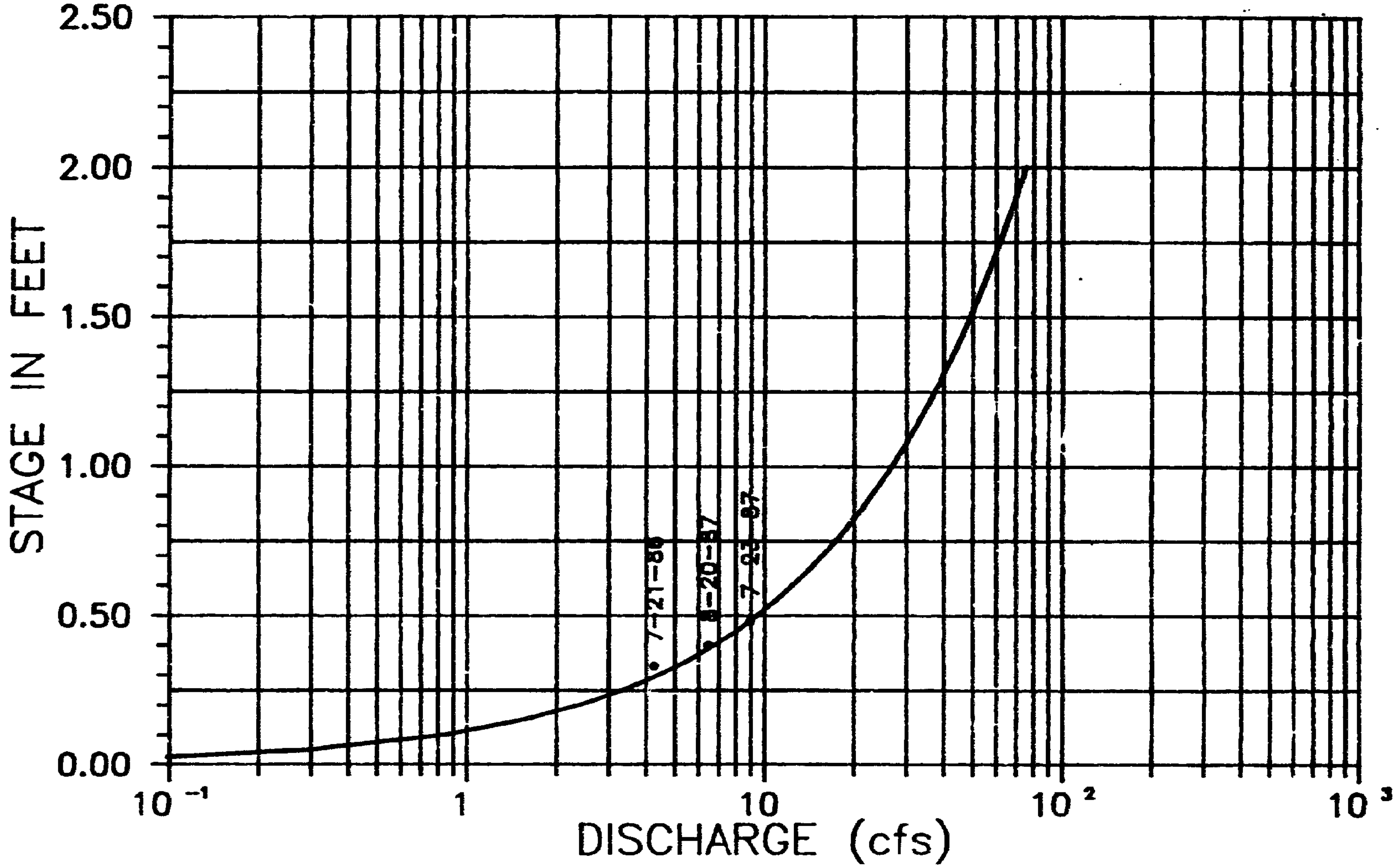
SOUTH UVALDA RATING CURVE

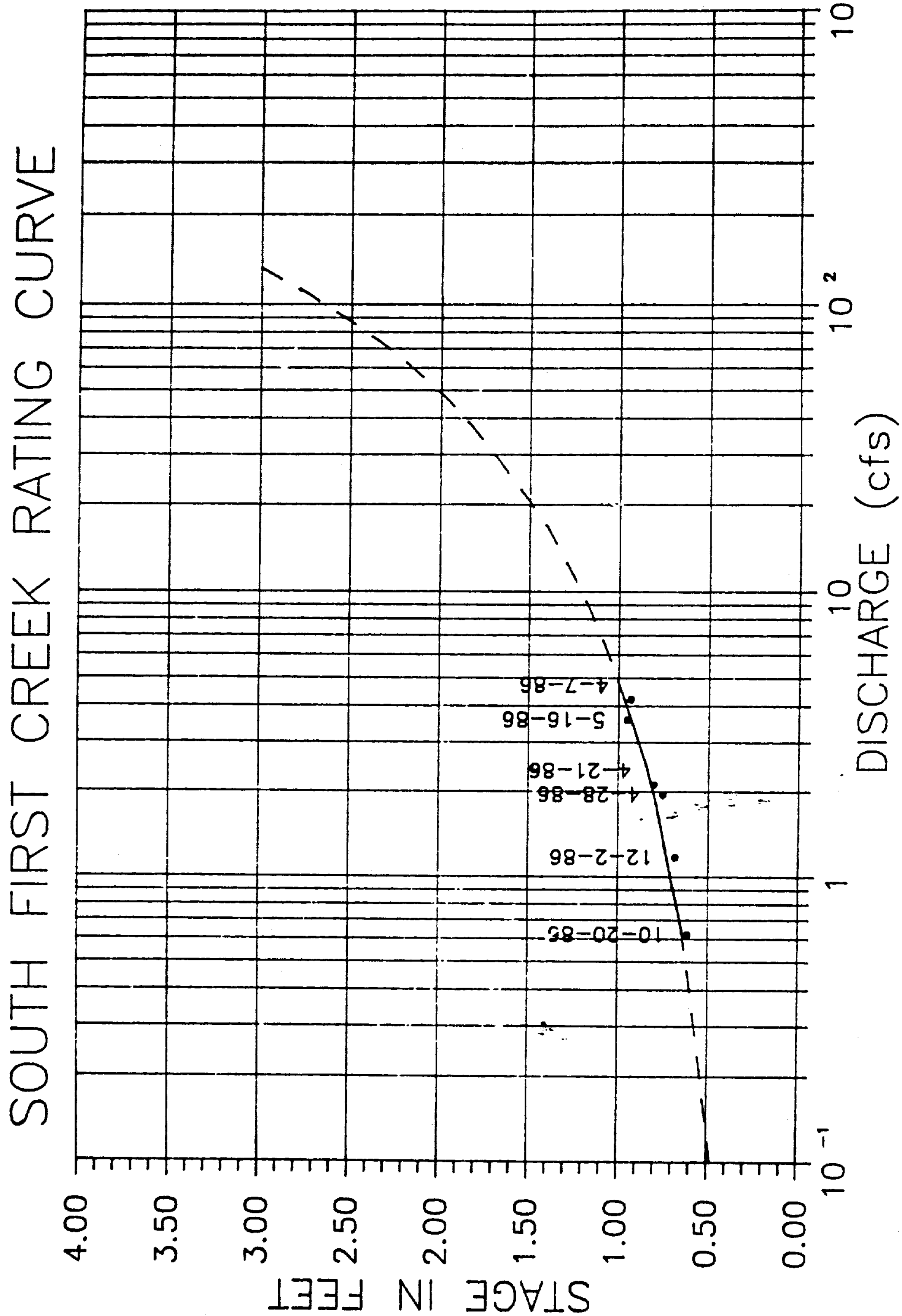


NORTH UVALDA RATING CURVE

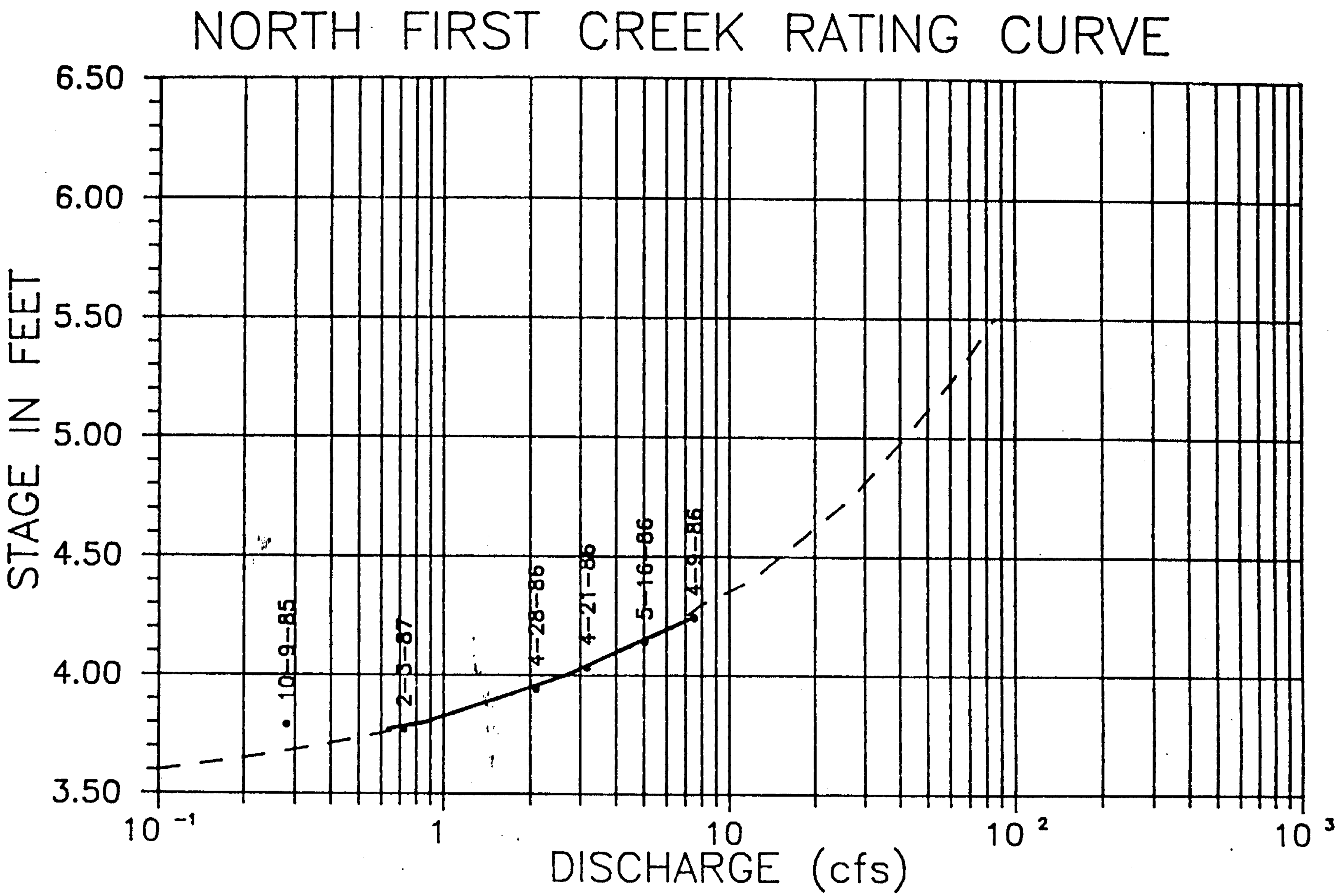


HIGHLINE LATERAL RATING CURVE



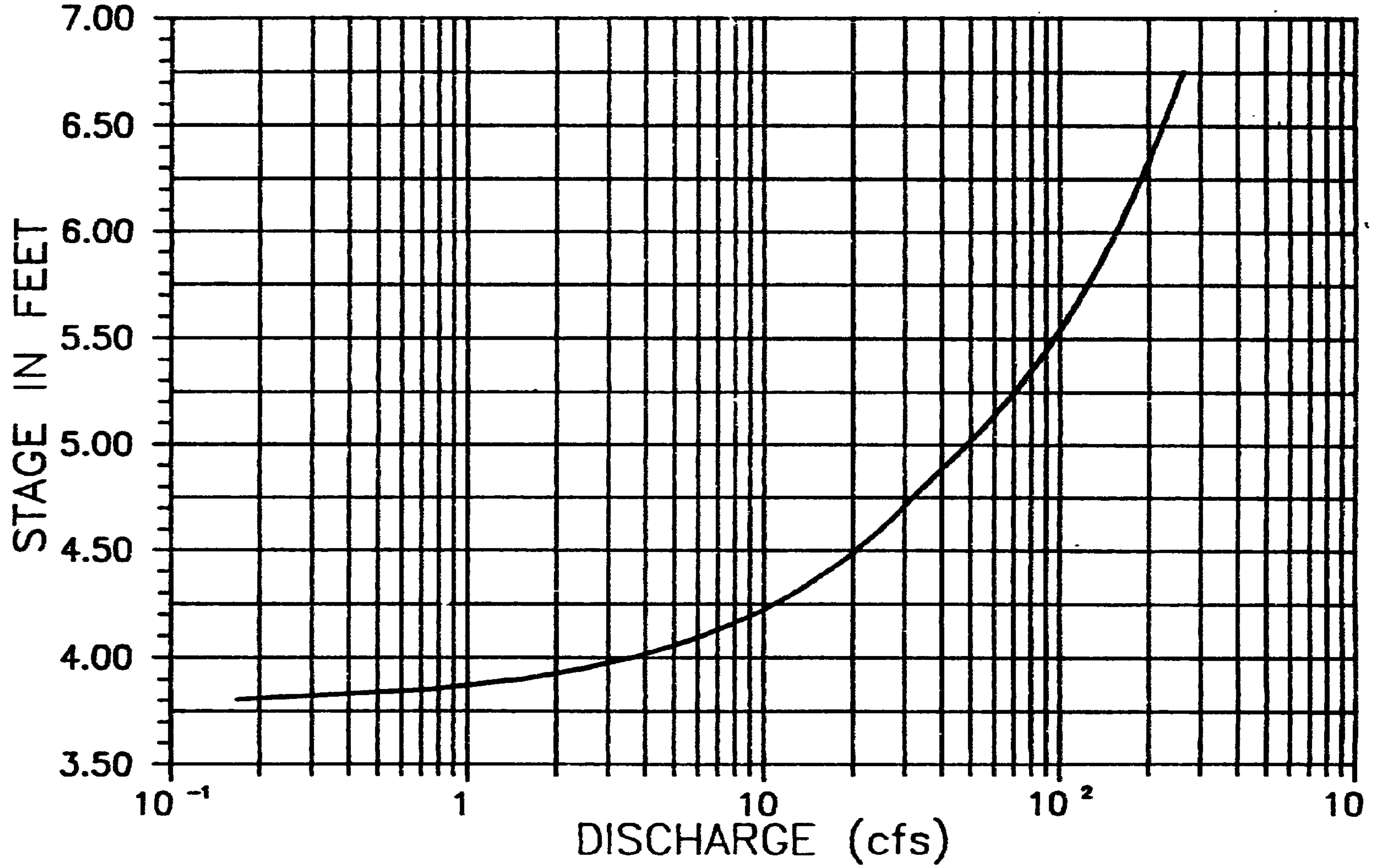


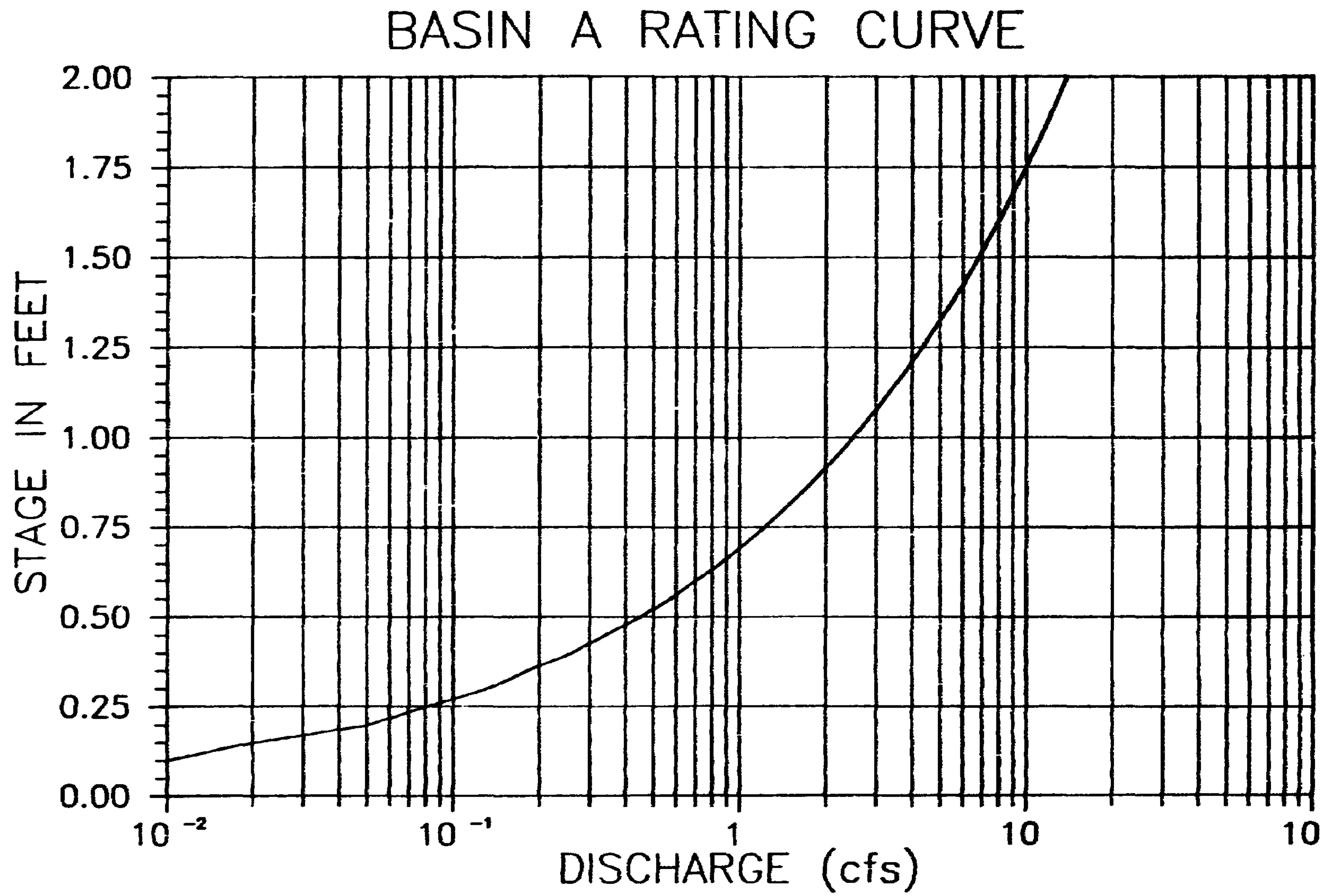
SOUTH FIRST CREEK RATING CURVE
STAGE IN FEET
DISCHARGE (cfs)
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
10^{-1}
1
10
10^{2}
10^{3}
4-7-86
5-16-86
4-21-86
4-28-86
12-2-86
10-20-85



NORTH FIRST CREEK RATING CURVE
STAGE IN FEET
6.50
6.00
5.50
5.00
4.50
4.00
3.50
10-9-85
2-3-87
4-28-86
4-21-86
5-16-86
4-9-86
10^{-1}
1
10
10^{2}
10^{3}
DISCHARGE (cfs)

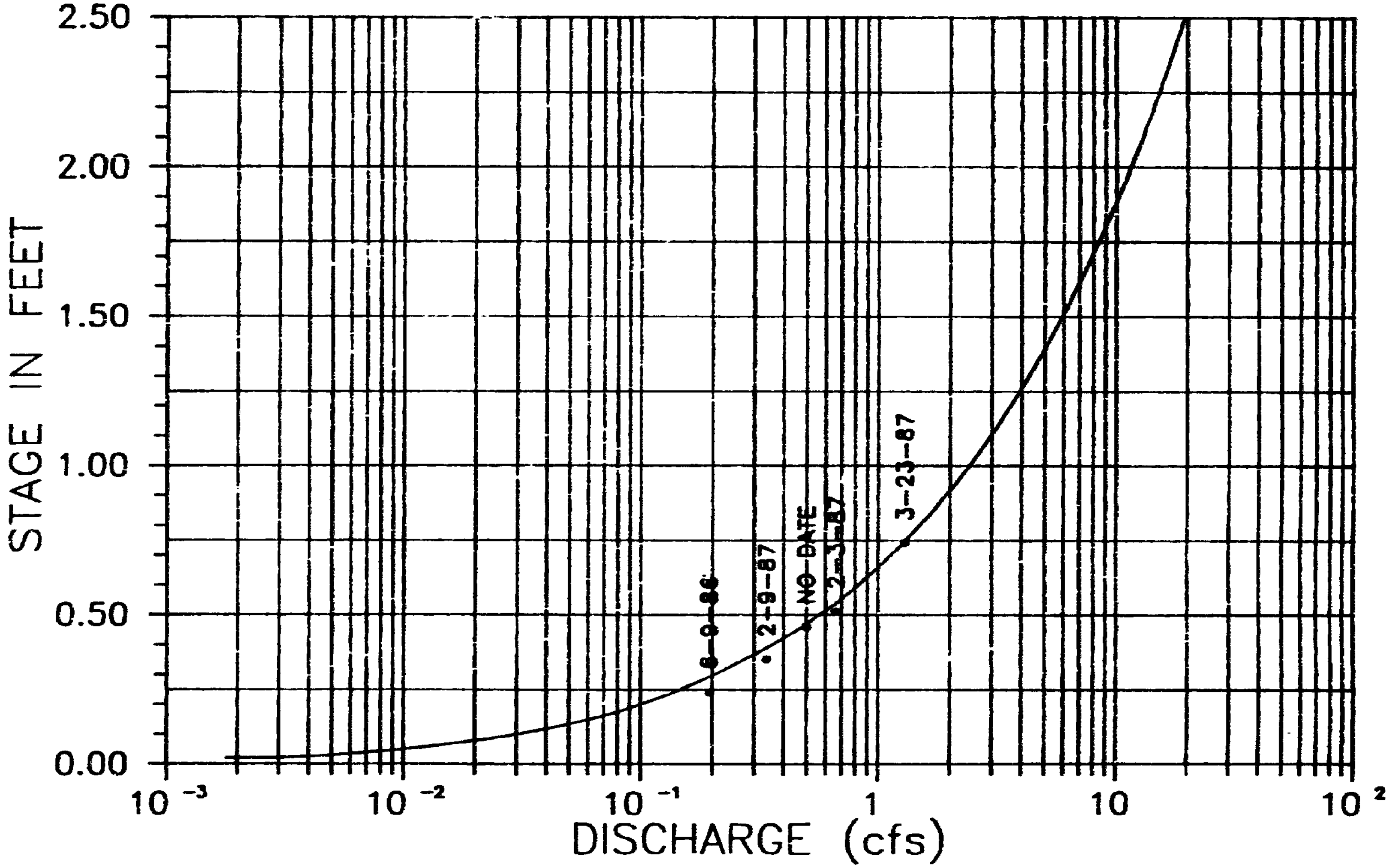
SOUTH PLANTS DITCH RATING CURVE





BASIN A RATING CURVE
STAGE IN FEET
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
10 ⁻²
10 ⁻¹
1
10
10 ²
DISCHARGE (cfs)

FIRST CREEK OFFPOST RATING CURVE



STAGE DISCHARGE AND STAGE AREA TABULATION FOR RMA LOWER LAKES

UPPER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5247.00	-2.25	0.2	0.1	5249.00	-0.25	6.2	6.3
5247.05	-2.20	0.3	0.1	5249.05	-0.20	6.4	6.7
5247.10	-2.15	0.5	0.2	5249.10	-0.15	6.6	7.1
5247.15	-2.10	0.6	0.3	5249.15	-0.10	6.8	7.5
5247.20	-2.05	0.8	0.4	5249.20	-0.05	6.9	7.9
5247.25	-2.00	0.9	0.4	5249.25	0.00	7.1	8.3
5247.30	-1.95	1.0	0.5	5249.30	0.05	7.3	8.7
5247.35	-1.90	1.2	0.6	5249.35	0.10	7.5	9.1
5247.40	-1.85	1.3	0.7	5249.40	0.15	7.7	9.5
5247.45	-1.80	1.5	0.8	5249.45	0.20	7.9	9.9
5247.50	-1.75	1.6	0.9	5249.50	0.25	8.1	10.3
5247.55	-1.70	1.7	0.9	5249.55	0.30	8.2	10.7
5247.60	-1.65	1.9	1.0	5249.60	0.35	8.4	11.1
5247.65	-1.60	2.0	1.1	5249.65	0.40	8.6	11.5
5247.70	-1.55	2.2	1.2	5249.70	0.45	8.8	11.9
5247.75	-1.50	2.3	1.3	5249.75	0.50	9.0	12.3
5247.80	-1.45	2.4	1.3	5249.80	0.55	9.2	12.7
5247.85	-1.40	2.6	1.4	5249.85	0.60	9.3	13.1
5247.90	-1.35	2.7	1.5	5249.90	0.65	9.5	13.5
5247.95	-1.30	2.9	1.6	5249.95	0.70	9.7	13.9
5248.00	-1.25	3.0	1.7	5250.00	0.75	9.9	14.3
5248.05	-1.20	3.2	1.9	5250.05	0.80	10.1	14.9
5248.10	-1.15	3.3	2.1	5250.10	0.85	10.4	15.5
5248.15	-1.10	3.5	2.3	5250.15	0.90	10.6	16.1
5248.20	-1.05	3.6	2.6	5250.20	0.95	10.9	16.8
5248.25	-1.00	3.8	2.8	5250.25	1.00	11.1	17.4
5248.30	-0.95	4.0	3.0	5250.30	1.05	11.3	18.0
5248.35	-0.90	4.1	3.3	5250.35	1.10	11.6	18.6
5248.40	-0.85	4.3	3.5	5250.40	1.15	11.8	19.2
5248.45	-0.80	4.4	3.7	5250.45	1.20	12.1	19.8
5248.50	-0.75	4.6	4.0	5250.50	1.25	12.3	20.5
5248.55	-0.70	4.8	4.2	5250.55	1.30	12.5	21.1
5248.60	-0.65	4.9	4.4	5250.60	1.35	12.8	21.7
5248.65	-0.60	5.1	4.6	5250.65	1.40	13.0	22.3
5248.70	-0.55	5.2	4.9	5250.70	1.45	13.3	22.9
5248.75	-0.50	5.4	5.1	5250.75	1.50	13.5	23.5
5248.80	-0.45	5.6	5.3	5250.80	1.55	13.7	24.1
5248.85	-0.40	5.7	5.6	5250.85	1.60	14.0	24.8
5248.90	-0.35	5.9	5.8	5250.90	1.65	14.2	25.4
5248.95	-0.30	6.0	6.0	5250.95	1.70	14.5	26.0

UPPER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5251.00	1.75	14.7	26.6	5253.00	3.75	28.7	69.1
5251.05	1.80	15.0	27.5	5253.05	3.80	29.1	70.7
5251.10	1.85	15.3	28.4	5253.10	3.85	29.5	72.4
5251.15	1.90	15.6	29.3	5253.15	3.90	29.9	74.0
5251.20	1.95	15.9	30.2	5253.20	3.95	30.4	75.7
5251.25	2.00	16.2	31.0	5253.25	4.00	30.8	77.3
5251.30	2.05	16.5	31.9	5253.30	4.05	31.2	79.0
5251.35	2.10	16.8	32.8	5253.35	4.10	31.6	80.6
5251.40	2.15	17.1	33.7	5253.40	4.15	32.0	82.2
5251.45	2.20	17.4	34.6	5253.45	4.20	32.4	83.9
5251.50	2.25	17.8	35.5	5253.50	4.25	32.9	85.5
5251.55	2.30	18.1	36.4	5253.55	4.30	33.3	87.2
5251.60	2.35	18.4	37.3	5253.60	4.35	33.7	88.8
5251.65	2.40	18.7	38.1	5253.65	4.40	34.1	90.5
5251.70	2.45	19.0	39.0	5253.70	4.45	34.5	92.1
5251.75	2.50	19.3	39.9	5253.75	4.50	34.9	93.7
5251.80	2.55	19.6	40.8	5253.80	4.55	35.3	95.4
5251.85	2.60	19.9	41.7	5253.85	4.60	35.8	97.0
5251.90	2.65	20.2	42.6	5253.90	4.65	36.2	98.7
5251.95	2.70	20.5	43.5	5253.95	4.70	36.6	100.3
5252.00	2.75	20.8	44.4	5254.00	4.75	37.0	102.0
5252.05	2.80	21.2	45.6	5254.05	4.80	37.4	104.0
5252.10	2.85	21.6	46.8	5254.10	4.85	37.8	106.1
5252.15	2.90	22.0	48.1	5254.15	4.90	38.2	108.1
5252.20	2.95	22.4	49.3	5254.20	4.95	38.6	110.2
5252.25	3.00	22.8	50.5	5254.25	5.00	39.1	112.2
5252.30	3.05	23.2	51.8	5254.30	5.05	39.5	114.3
5252.35	3.10	23.6	53.0	5254.35	5.10	39.9	116.3
5252.40	3.15	24.0	54.3	5254.40	5.15	40.3	118.4
5252.45	3.20	24.4	55.5	5254.45	5.20	40.7	120.4
5252.50	3.25	24.8	56.7	5254.50	5.25	41.1	122.5
5252.55	3.30	25.1	58.0	5254.55	5.30	41.5	124.6
5252.60	3.35	25.5	59.2	5254.60	5.35	41.9	126.6
5252.65	3.40	25.9	60.4	5254.65	5.40	42.3	128.7
5252.70	3.45	26.3	61.7	5254.70	5.45	42.7	130.7
5252.75	3.50	26.7	62.9	5254.75	5.50	43.2	132.8
5252.80	3.55	27.1	64.2	5254.80	5.55	43.6	134.8
5252.85	3.60	27.5	65.4	5254.85	5.60	44.0	136.9
5252.90	3.65	27.9	66.6	5254.90	5.65	44.4	138.9
5252.95	3.70	28.3	67.9	5254.95	5.70	44.8	141.0

UPPER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5255.00	5.75	45.2	143.1	5257.00	7.75	61.0	249.4
5255.05	5.80	45.6	145.5	5257.05	7.80	61.4	252.6
5255.10	5.85	46.0	148.0	5257.10	7.85	61.8	255.9
5255.15	5.90	46.4	150.4	5257.15	7.90	62.2	259.1
5255.20	5.95	46.8	152.9	5257.20	7.95	62.6	262.4
5255.25	6.00	47.2	155.4	5257.25	8.00	63.0	265.6
5255.30	6.05	47.6	157.8	5257.30	8.05	63.4	268.9
5255.35	6.10	48.0	160.3	5257.35	8.10	63.8	272.1
5255.40	6.15	48.4	162.7	5257.40	8.15	64.2	275.4
5255.45	6.20	48.8	165.2	5257.45	8.20	64.6	278.6
5255.50	6.25	49.2	167.7	5257.50	8.25	65.0	281.9
5255.55	6.30	49.6	170.1	5257.55	8.30	65.4	285.1
5255.60	6.35	50.0	172.6	5257.60	8.35	65.8	288.4
5255.65	6.40	50.4	175.0	5257.65	8.40	66.2	291.6
5255.70	6.45	50.8	177.5	5257.70	8.45	66.6	294.9
5255.75	6.50	51.2	180.0	5257.75	8.50	67.0	298.1
5255.80	6.55	51.6	182.4	5257.80	8.55	67.4	301.4
5255.85	6.60	52.0	184.9	5257.85	8.60	67.8	304.6
5255.90	6.65	52.4	187.3	5257.90	8.65	68.2	307.9
5255.95	6.70	52.8	189.8	5257.95	8.70	68.6	311.1
5256.00	6.75	53.2	192.3	5258.00	8.75	69.0	314.4
5256.05	6.80	53.6	195.1	5258.05	8.80	69.4	318.0
5256.10	6.85	54.0	198.0	5258.10	8.85	69.8	321.6
5256.15	6.90	54.4	200.8	5258.15	8.90	70.2	325.3
5256.20	6.95	54.8	203.7	5258.20	8.95	70.6	328.9
5256.25	7.00	55.2	206.5	5258.25	9.00	71.0	332.6
5256.30	7.05	55.5	209.4	5258.30	9.05	71.4	336.2
5256.35	7.10	55.9	212.2	5258.35	9.10	71.8	339.9
5256.40	7.15	56.3	215.1	5258.40	9.15	72.2	343.5
5256.45	7.20	56.7	217.9	5258.45	9.20	72.6	347.2
5256.50	7.25	57.1	220.8	5258.50	9.25	73.0	350.8
5256.55	7.30	57.5	223.7	5258.55	9.30	73.3	354.5
5256.60	7.35	57.9	226.5	5258.60	9.35	73.7	358.1
5256.65	7.40	58.3	229.4	5258.65	9.40	74.1	361.8
5256.70	7.45	58.7	232.2	5258.70	9.45	74.5	365.4
5256.75	7.50	59.1	235.1	5258.75	9.50	74.9	369.1
5256.80	7.55	59.4	237.9	5258.80	9.55	75.3	372.7
5256.85	7.60	59.8	240.8	5258.85	9.60	75.7	376.4
5256.90	7.65	60.2	243.6	5258.90	9.65	76.1	380.0
5256.95	7.70	60.6	246.5	5258.95	9.70	76.5	383.7

UPPER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5259.00	9.75	76.9	387.3	5261.00	11.75	93.5	557.5
5259.05	9.80	77.3	391.3	5261.05	11.80	93.9	562.4
5259.10	9.85	77.7	395.4	5261.10	11.85	94.3	567.3
5259.15	9.90	78.1	399.4	5261.15	11.90	94.7	572.1
5259.20	9.95	78.5	403.5	5261.20	11.95	95.2	577.0
5259.25	10.00	78.9	407.5	5261.25	12.00	95.6	581.9
5259.30	10.05	79.3	411.6	5261.30	12.05	96.0	586.8
5259.35	10.10	79.7	415.6	5261.35	12.10	96.4	591.7
5259.40	10.15	80.1	419.7	5261.40	12.15	96.8	596.6
5259.45	10.20	80.5	423.7	5261.45	12.20	97.2	601.4
5259.50	10.25	81.0	427.8	5261.50	12.25	97.7	606.3
5259.55	10.30	81.4	431.8	5261.55	12.30	98.1	611.2
5259.60	10.35	81.8	435.9	5261.60	12.35	98.5	616.1
5259.65	10.40	82.2	439.9	5261.65	12.40	98.9	621.0
5259.70	10.45	82.6	444.0	5261.70	12.45	99.3	625.9
5259.75	10.50	83.0	448.0	5261.75	12.50	99.7	630.7
5259.80	10.55	83.4	452.1	5261.80	12.55	100.1	635.6
5259.85	10.60	83.8	456.1	5261.85	12.60	100.6	640.5
5259.90	10.65	84.2	460.2	5261.90	12.65	101.0	645.4
5259.95	10.70	84.6	464.2	5261.95	12.70	101.4	650.3
5260.00	10.75	85.0	468.3	5262.00	12.75	101.8	655.2

LOWER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5231.00	0.00	0.9	0.2	5233.00	2.00	6.5	7.4
5231.05	0.05	1.0	0.3	5233.05	2.05	6.7	7.8
5231.10	0.10	1.2	0.4	5233.10	2.10	6.9	8.2
5231.15	0.15	1.3	0.5	5233.15	2.15	7.0	8.6
5231.20	0.20	1.4	0.6	5233.20	2.20	7.2	9.0
5231.25	0.25	1.6	0.7	5233.25	2.25	7.4	9.4
5231.30	0.30	1.7	0.8	5233.30	2.30	7.6	9.9
5231.35	0.35	1.8	1.0	5233.35	2.35	7.7	10.3
5231.40	0.40	1.9	1.1	5233.40	2.40	7.9	10.7
5231.45	0.45	2.1	1.2	5233.45	2.45	8.1	11.1
5231.50	0.50	2.2	1.3	5233.50	2.50	8.3	11.5
5231.55	0.55	2.3	1.4	5233.55	2.55	8.4	11.9
5231.60	0.60	2.5	1.5	5233.60	2.60	8.6	12.3
5231.65	0.65	2.6	1.6	5233.65	2.65	8.8	12.7
5231.70	0.70	2.7	1.7	5233.70	2.70	9.0	13.2
5231.75	0.75	2.9	1.8	5233.75	2.75	9.1	13.6
5231.80	0.80	3.0	1.9	5233.80	2.80	9.3	14.0
5231.85	0.85	3.1	2.1	5233.85	2.85	9.5	14.4
5231.90	0.90	3.2	2.2	5233.90	2.90	9.7	14.8
5231.95	0.95	3.4	2.3	5233.95	2.95	9.8	15.2
5232.00	1.00	3.5	2.4	5234.00	3.00	10.0	15.6
5232.05	1.05	3.7	2.6	5234.05	3.05	10.2	16.2
5232.10	1.10	3.8	2.9	5234.10	3.10	10.5	16.9
5232.15	1.15	4.0	3.1	5234.15	3.15	10.7	17.5
5232.20	1.20	4.1	3.4	5234.20	3.20	10.9	18.1
5232.25	1.25	4.3	3.6	5234.25	3.25	11.2	18.7
5232.30	1.30	4.4	3.9	5234.30	3.30	11.4	19.3
5232.35	1.35	4.6	4.1	5234.35	3.35	11.6	19.9
5232.40	1.40	4.7	4.4	5234.40	3.40	11.8	20.5
5232.45	1.45	4.9	4.6	5234.45	3.45	12.1	21.2
5232.50	1.50	5.0	4.9	5234.50	3.50	12.3	21.8
5232.55	1.55	5.2	5.1	5234.55	3.55	12.5	22.4
5232.60	1.60	5.3	5.4	5234.60	3.60	12.8	23.0
5232.65	1.65	5.5	5.6	5234.65	3.65	13.0	23.6
5232.70	1.70	5.6	5.9	5234.70	3.70	13.2	24.2
5232.75	1.75	5.8	6.1	5234.75	3.75	13.5	24.8
5232.80	1.80	5.9	6.4	5234.80	3.80	13.7	25.4
5232.85	1.85	6.1	6.6	5234.85	3.85	13.9	26.1
5232.90	1.90	6.2	6.9	5234.90	3.90	14.1	26.7
5232.95	1.95	6.4	7.1	5234.95	3.95	14.4	27.3

LOWER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5235.00	4.00	14.6	27.9	5237.00	6.00	21.7	63.6
5235.05	4.05	14.7	28.7	5237.05	6.05	21.9	64.8
5235.10	4.10	14.9	29.5	5237.10	6.10	22.2	66.0
5235.15	4.15	15.0	30.3	5237.15	6.15	22.4	67.2
5235.20	4.20	15.2	31.1	5237.20	6.20	22.6	68.4
5235.25	4.25	15.3	31.9	5237.25	6.25	22.8	69.6
5235.30	4.30	15.5	32.7	5237.30	6.30	23.0	70.8
5235.35	4.35	15.6	33.5	5237.35	6.35	23.3	72.0
5235.40	4.40	15.8	34.3	5237.40	6.40	23.5	73.2
5235.45	4.45	15.9	35.1	5237.45	6.45	23.7	74.4
5235.50	4.50	16.1	36.0	5237.50	6.50	24.0	75.6
5235.55	4.55	16.2	36.8	5237.55	6.55	24.2	76.7
5235.60	4.60	16.3	37.6	5237.60	6.60	24.4	77.9
5235.65	4.65	16.5	38.4	5237.65	6.65	24.6	79.1
5235.70	4.70	16.6	39.2	5237.70	6.70	24.9	80.3
5235.75	4.75	16.8	40.0	5237.75	6.75	25.1	81.5
5235.80	4.80	16.9	40.8	5237.80	6.80	25.3	82.7
5235.85	4.85	17.1	41.6	5237.85	6.85	25.5	83.9
5235.90	4.90	17.2	42.4	5237.90	6.90	25.8	85.1
5235.95	4.95	17.4	43.2	5237.95	6.95	26.0	86.3
5236.00	5.00	17.5	44.0	5238.00	7.00	26.2	87.5
5236.05	5.05	17.7	45.0	5238.05	7.05	26.5	89.0
5236.10	5.10	17.9	46.0	5238.10	7.10	26.8	90.4
5236.15	5.15	18.1	46.9	5238.15	7.15	27.1	91.9
5236.20	5.20	18.3	47.9	5238.20	7.20	27.3	93.3
5236.25	5.25	18.6	48.9	5238.25	7.25	27.6	94.8
5236.30	5.30	18.8	49.9	5238.30	7.30	27.9	96.2
5236.35	5.35	19.0	50.9	5238.35	7.35	28.2	97.7
5236.40	5.40	19.2	51.8	5238.40	7.40	28.5	99.1
5236.45	5.45	19.4	52.8	5238.45	7.45	28.8	100.6
5236.50	5.50	19.6	53.8	5238.50	7.50	29.1	102.1
5236.55	5.55	19.8	54.8	5238.55	7.55	29.3	103.5
5236.60	5.60	20.0	55.8	5238.60	7.60	29.6	105.0
5236.65	5.65	20.2	56.7	5238.65	7.65	29.9	106.4
5236.70	5.70	20.4	57.7	5238.70	7.70	30.2	107.9
5236.75	5.75	20.7	58.7	5238.75	7.75	30.5	109.3
5236.80	5.80	20.9	59.7	5238.80	7.80	30.8	110.8
5236.85	5.85	21.1	60.7	5238.85	7.85	31.0	112.2
5236.90	5.90	21.3	61.6	5238.90	7.90	31.3	113.7
5236.95	5.95	21.5	62.6	5238.95	7.95	31.6	115.1

LOWER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5239.00	8.00	31.9	116.6	5241.00	10.00	43.5	192.1
5239.05	8.05	32.2	118.3	5241.05	10.05	43.8	194.4
5239.10	8.10	32.5	120.1	5241.10	10.10	44.1	196.7
5239.15	8.15	32.8	121.8	5241.15	10.15	44.4	199.0
5239.20	8.20	33.1	123.6	5241.20	10.20	44.6	201.4
5239.25	8.25	33.4	125.3	5241.25	10.25	44.9	203.7
5239.30	8.30	33.7	127.0	5241.30	10.30	45.2	206.0
5239.35	8.35	34.0	128.8	5241.35	10.35	45.5	208.3
5239.40	8.40	34.3	130.5	5241.40	10.40	45.8	210.6
5239.45	8.45	34.6	132.3	5241.45	10.45	46.1	212.9
5239.50	8.50	34.9	134.0	5241.50	10.50	46.4	215.3
5239.55	8.55	35.1	135.7	5241.55	10.55	46.6	217.6
5239.60	8.60	35.4	137.5	5241.60	10.60	46.9	219.9
5239.65	8.65	35.7	139.2	5241.65	10.65	47.2	222.2
5239.70	8.70	36.0	141.0	5241.70	10.70	47.5	224.5
5239.75	8.75	36.3	142.7	5241.75	10.75	47.8	226.8
5239.80	8.80	36.6	144.4	5241.80	10.80	48.1	229.1
5239.85	8.85	36.9	146.2	5241.85	10.85	48.3	231.5
5239.90	8.90	37.2	147.9	5241.90	10.90	48.6	233.8
5239.95	8.95	37.5	149.7	5241.95	10.95	48.9	236.1
5240.00	9.00	37.8	151.4	5242.00	11.00	49.2	238.4
5240.05	9.05	38.1	153.4	5242.05	11.05	49.5	241.0
5240.10	9.10	38.4	155.5	5242.10	11.10	49.8	243.6
5240.15	9.15	38.7	157.5	5242.15	11.15	50.0	246.2
5240.20	9.20	38.9	159.5	5242.20	11.20	50.3	248.8
5240.25	9.25	39.2	161.6	5242.25	11.25	50.6	251.4
5240.30	9.30	39.5	163.6	5242.30	11.30	50.9	254.0
5240.35	9.35	39.8	165.6	5242.35	11.35	51.1	256.6
5240.40	9.40	40.1	167.7	5242.40	11.40	51.4	259.2
5240.45	9.45	40.4	169.7	5242.45	11.45	51.7	261.8
5240.50	9.50	40.7	171.8	5242.50	11.50	52.0	264.4
5240.55	9.55	40.9	173.8	5242.55	11.55	52.2	267.0
5240.60	9.60	41.2	175.8	5242.60	11.60	52.5	269.6
5240.65	9.65	41.5	177.9	5242.65	11.65	52.8	272.2
5240.70	9.70	41.8	179.9	5242.70	11.70	53.1	274.8
5240.75	9.75	42.1	181.9	5242.75	11.75	53.3	277.4
5240.80	9.80	42.4	184.0	5242.80	11.80	53.6	280.0
5240.85	9.85	42.6	186.0	5242.85	11.85	53.9	282.6
5240.90	9.90	42.9	188.0	5242.90	11.90	54.2	285.2
5240.95	9.95	43.2	190.1	5242.95	11.95	54.4	287.8

LOWER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5243.00	12.00	54.7	290.4	5245.00	14.00	66.3	411.7
5243.05	12.05	55.0	293.3	5245.05	14.05	66.6	415.2
5243.10	12.10	55.3	296.2	5245.10	14.10	66.9	418.6
5243.15	12.15	55.6	299.1	5245.15	14.15	67.2	422.1
5243.20	12.20	55.9	301.9	5245.20	14.20	67.5	425.5
5243.25	12.25	56.2	304.8	5245.25	14.25	67.8	429.0
5243.30	12.30	56.5	307.7	5245.30	14.30	68.0	432.5
5243.35	12.35	56.8	310.6	5245.35	14.35	68.3	435.9
5243.40	12.40	57.1	313.5	5245.40	14.40	68.6	439.4
5243.45	12.45	57.4	316.4	5245.45	14.45	68.9	442.8
5243.50	12.50	57.8	319.3	5245.50	14.50	69.2	446.3
5243.55	12.55	58.1	322.1	5245.55	14.55	69.5	449.8
5243.60	12.60	58.4	325.0	5245.60	14.60	69.8	453.2
5243.65	12.65	58.7	327.9	5245.65	14.65	70.1	456.7
5243.70	12.70	59.0	330.8	5245.70	14.70	70.4	460.1
5243.75	12.75	59.3	333.7	5245.75	14.75	70.6	463.6
5243.80	12.80	59.6	336.6	5245.80	14.80	70.9	467.1
5243.85	12.85	59.9	339.4	5245.85	14.85	71.2	470.5
5243.90	12.90	60.2	342.3	5245.90	14.90	71.5	474.0
5243.95	12.95	60.5	345.2	5245.95	14.95	71.8	477.4
5244.00	13.00	60.8	348.1	5246.00	15.00	72.1	480.9
5244.05	13.05	61.1	351.3	5246.05	15.05	72.4	484.6
5244.10	13.10	61.3	354.5	5246.10	15.10	72.6	488.4
5244.15	13.15	61.6	357.6	5246.15	15.15	72.9	492.1
5244.20	13.20	61.9	360.8	5246.20	15.20	73.2	495.9
5244.25	13.25	62.2	364.0	5246.25	15.25	73.5	499.6
5244.30	13.30	62.5	367.2	5246.30	15.30	73.8	503.3
5244.35	13.35	62.7	370.4	5246.35	15.35	74.0	507.1
5244.40	13.40	63.0	373.5	5246.40	15.40	74.3	510.8
5244.45	13.45	63.3	376.7	5246.45	15.45	74.6	514.6
5244.50	13.50	63.6	379.9	5246.50	15.50	74.9	518.3
5244.55	13.55	63.8	383.1	5246.55	15.55	75.1	522.0
5244.60	13.60	64.1	386.3	5246.60	15.60	75.4	525.8
5244.65	13.65	64.4	389.4	5246.65	15.65	75.7	529.5
5244.70	13.70	64.6	392.6	5246.70	15.70	75.9	533.3
5244.75	13.75	64.9	395.8	5246.75	15.75	76.2	537.0
5244.80	13.80	65.2	399.0	5246.80	15.80	76.5	540.7
5244.85	13.85	65.5	402.2	5246.85	15.85	76.8	544.5
5244.90	13.90	65.8	405.3	5246.90	15.90	77.1	548.2
5244.95	13.95	66.0	408.5	5246.95	15.95	77.3	552.0

LOWER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5247.00	16.00	77.6	555.7	5249.00	18.00	89.4	722.5
5247.05	16.05	77.9	559.7	5249.05	18.05	89.7	727.1
5247.10	16.10	78.2	563.8	5249.10	18.10	90.0	731.7
5247.15	16.15	78.5	567.8	5249.15	18.15	90.2	736.3
5247.20	16.20	78.7	571.8	5249.20	18.20	90.5	740.9
5247.25	16.25	79.0	575.8	5249.25	18.25	90.8	745.6
5247.30	16.30	79.3	579.9	5249.30	18.30	91.1	750.2
5247.35	16.35	79.6	583.9	5249.35	18.35	91.4	754.8
5247.40	16.40	79.9	587.9	5249.40	18.40	91.6	759.4
5247.45	16.45	80.2	591.9	5249.45	18.45	91.9	764.0
5247.50	16.50	80.5	596.0	5249.50	18.50	92.2	768.6
5247.55	16.55	80.7	600.0	5249.55	18.55	92.5	773.2
5247.60	16.60	81.0	604.0	5249.60	18.60	92.8	777.8
5247.65	16.65	81.3	608.0	5249.65	18.65	93.0	782.4
5247.70	16.70	81.6	612.1	5249.70	18.70	93.3	787.0
5247.75	16.75	81.9	616.1	5249.75	18.75	93.6	791.7
5247.80	16.80	82.2	620.1	5249.80	18.80	93.9	796.3
5247.85	16.85	82.4	624.1	5249.85	18.85	94.2	800.9
5247.90	16.90	82.7	628.2	5249.90	18.90	94.4	805.5
5247.95	16.95	83.0	632.2	5249.95	18.95	94.7	810.1
5248.00	17.00	83.3	636.2	5250.00	19.00	95.0	814.7
5248.05	17.05	83.6	640.5	5250.05	19.05	95.3	819.6
5248.10	17.10	83.9	644.8	5250.10	19.10	95.6	824.5
5248.15	17.15	84.2	649.1	5250.15	19.15	95.8	829.4
5248.20	17.20	84.5	653.5	5250.20	19.20	96.1	834.3
5248.25	17.25	84.8	657.8	5250.25	19.25	96.4	839.2
5248.30	17.30	85.1	662.1	5250.30	19.30	96.7	844.0
5248.35	17.35	85.4	666.4	5250.35	19.35	96.9	848.9
5248.40	17.40	85.7	670.7	5250.40	19.40	97.2	853.8
5248.45	17.45	86.0	675.0	5250.45	19.45	97.5	858.7
5248.50	17.50	86.4	679.4	5250.50	19.50	97.8	863.6
5248.55	17.55	86.7	683.7	5250.55	19.55	98.0	868.5
5248.60	17.60	87.0	688.0	5250.60	19.60	98.3	873.4
5248.65	17.65	87.3	692.3	5250.65	19.65	98.6	878.3
5248.70	17.70	87.6	696.6	5250.70	19.70	98.9	883.2
5248.75	17.75	87.9	700.9	5250.75	19.75	99.1	888.1
5248.80	17.80	88.2	705.2	5250.80	19.80	99.4	892.9
5248.85	17.85	88.5	709.6	5250.85	19.85	99.7	897.8
5248.90	17.90	88.8	713.9	5250.90	19.90	99.9	902.7
5248.95	17.95	89.1	718.2	5250.95	19.95	100.2	907.6

LOWER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5251.00	20.00	100.5	912.5	5253.00	22.0	112.0	1125.00
5251.05	20.05	100.8	917.7				
5251.10	20.10	101.1	922.8				
5251.15	20.15	101.4	928.0				
5251.20	20.20	101.7	933.2				
5251.25	20.25	102.0	938.4				
5251.30	20.30	102.2	943.5				
5251.35	20.35	102.5	948.7				
5251.40	20.40	102.8	953.9				
5251.45	20.45	103.1	959.0				
5251.50	20.50	103.4	964.2				
5251.55	20.55	103.7	969.4				
5251.60	20.60	104.0	974.5				
5251.65	20.65	104.3	979.7				
5251.70	20.70	104.6	984.9				
5251.75	20.75	104.9	990.1				
5251.80	20.80	105.1	995.2				
5251.85	20.85	105.4	1000.4				
5251.90	20.90	105.7	1005.6				
5251.95	20.95	106.0	1010.7				
5252.00	21.00	106.3	1015.9				
5252.05	21.05	106.6	1021.4				
5252.10	21.10	106.9	1026.8				
5252.15	21.15	107.2	1032.3				
5252.20	21.20	107.4	1037.7				
5252.25	21.25	107.7	1043.2				
5252.30	21.30	108.0	1048.6				
5252.35	21.35	108.3	1054.1				
5252.40	21.40	108.6	1059.5				
5252.45	21.45	108.9	1065.0				
5252.50	21.50	109.2	1070.5				
5252.55	21.55	109.4	1075.9				
5252.60	21.60	109.7	1081.4				
5252.65	21.65	110.0	1086.8				
5252.70	21.70	110.3	1092.3				
5252.75	21.75	110.6	1097.7				
5252.80	21.80	110.9	1103.2				
5252.85	21.85	111.1	1108.6				
5252.90	21.90	111.4	1114.1				
5252.95	21.95	111.7	1119.5				

LADORA LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5208.00	0.00	6.3	12.4	5210.00	2.00	11.1	28.7
5208.05	0.05	6.4	12.8	5210.05	2.05	11.2	29.4
5208.10	0.10	6.4	13.1	5210.10	2.10	11.4	30.0
5208.15	0.15	6.5	13.5	5210.15	2.15	11.5	30.6
5208.20	0.20	6.6	13.8	5210.20	2.20	11.7	31.2
5208.25	0.25	6.6	14.2	5210.25	2.25	11.8	31.9
5208.30	0.30	6.7	14.5	5210.30	2.30	12.0	32.5
5208.35	0.35	6.8	14.9	5210.35	2.35	12.1	33.1
5208.40	0.40	6.8	15.2	5210.40	2.40	12.3	33.8
5208.45	0.45	6.9	15.6	5210.45	2.45	12.4	34.4
5208.50	0.50	7.0	15.9	5210.50	2.50	12.6	35.0
5208.55	0.55	7.0	16.3	5210.55	2.55	12.7	35.6
5208.60	0.60	7.1	16.6	5210.60	2.60	12.8	36.3
5208.65	0.65	7.1	16.9	5210.65	2.65	13.0	36.9
5208.70	0.70	7.2	17.3	5210.70	2.70	13.1	37.5
5208.75	0.75	7.3	17.6	5210.75	2.75	13.3	38.1
5208.80	0.80	7.3	18.0	5210.80	2.80	13.4	38.8
5208.85	0.85	7.4	18.3	5210.85	2.85	13.6	39.4
5208.90	0.90	7.5	18.7	5210.90	2.90	13.7	40.0
5208.95	0.95	7.5	19.0	5210.95	2.95	13.9	40.7
5209.00	1.00	7.6	19.4	5211.00	3.00	14.0	41.3
5209.05	1.05	7.8	19.8	5211.05	3.05	14.2	42.1
5209.10	1.10	8.0	20.3	5211.10	3.10	14.3	42.9
5209.15	1.15	8.1	20.8	5211.15	3.15	14.5	43.6
5209.20	1.20	8.3	21.3	5211.20	3.20	14.7	44.4
5209.25	1.25	8.5	21.7	5211.25	3.25	14.9	45.2
5209.30	1.30	8.7	22.2	5211.30	3.30	15.0	46.0
5209.35	1.35	8.8	22.7	5211.35	3.35	15.2	46.8
5209.40	1.40	9.0	23.1	5211.40	3.40	15.4	47.6
5209.45	1.45	9.2	23.6	5211.45	3.45	15.5	48.3
5209.50	1.50	9.4	24.1	5211.50	3.50	15.7	49.1
5209.55	1.55	9.5	24.5	5211.55	3.55	15.9	49.9
5209.60	1.60	9.7	25.0	5211.60	3.60	16.0	50.7
5209.65	1.65	9.9	25.5	5211.65	3.65	16.2	51.5
5209.70	1.70	10.1	25.9	5211.70	3.70	16.4	52.3
5209.75	1.75	10.2	26.4	5211.75	3.75	16.6	53.1
5209.80	1.80	10.4	26.9	5211.80	3.80	16.7	53.8
5209.85	1.85	10.6	27.3	5211.85	3.85	16.9	54.6
5209.90	1.90	10.8	27.8	5211.90	3.90	17.1	55.4
5209.95	1.95	10.9	28.3	5211.95	3.95	17.2	56.2

LADORA LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5212.00	4.00	17.4	57.0	5214.00	6.00	25.0	98.7
5212.05	4.05	17.6	57.9	5214.05	6.05	25.2	100.0
5212.10	4.10	17.7	58.9	5214.10	6.10	25.5	101.4
5212.15	4.15	17.9	59.8	5214.15	6.15	25.7	102.8
5212.20	4.20	18.0	60.8	5214.20	6.20	25.9	104.1
5212.25	4.25	18.2	61.7	5214.25	6.25	26.2	105.5
5212.30	4.30	18.3	62.7	5214.30	6.30	26.4	106.9
5212.35	4.35	18.5	63.6	5214.35	6.35	26.6	108.2
5212.40	4.40	18.6	64.6	5214.40	6.40	26.8	109.6
5212.45	4.45	18.8	65.5	5214.45	6.45	27.1	111.0
5212.50	4.50	19.0	66.5	5214.50	6.50	27.3	112.3
5212.55	4.55	19.1	67.4	5214.55	6.55	27.5	113.7
5212.60	4.60	19.3	68.4	5214.60	6.60	27.8	115.1
5212.65	4.65	19.4	69.3	5214.65	6.65	28.0	116.4
5212.70	4.70	19.6	70.2	5214.70	6.70	28.2	117.8
5212.75	4.75	19.7	71.2	5214.75	6.75	28.5	119.2
5212.80	4.80	19.9	72.1	5214.80	6.80	28.7	120.5
5212.85	4.85	20.0	73.1	5214.85	6.85	28.9	121.9
5212.90	4.90	20.2	74.0	5214.90	6.90	29.1	123.3
5212.95	4.95	20.3	75.0	5214.95	6.95	29.4	124.6
5213.00	5.00	20.5	75.9	5215.00	7.00	29.6	126.0
5213.05	5.05	20.7	77.1	5215.05	7.05	29.9	127.6
5213.10	5.10	21.0	78.2	5215.10	7.10	30.1	129.2
5213.15	5.15	21.2	79.3	5215.15	7.15	30.4	130.8
5213.20	5.20	21.4	80.5	5215.20	7.20	30.7	132.4
5213.25	5.25	21.6	81.6	5215.25	7.25	31.0	134.1
5213.30	5.30	21.8	82.8	5215.30	7.30	31.2	135.7
5213.35	5.35	22.1	83.9	5215.35	7.35	31.5	137.3
5213.40	5.40	22.3	85.0	5215.40	7.40	31.8	138.9
5213.45	5.45	22.5	86.2	5215.45	7.45	32.0	140.5
5213.50	5.50	22.8	87.3	5215.50	7.50	32.3	142.1
5213.55	5.55	23.0	88.4	5215.55	7.55	32.6	143.7
5213.60	5.60	23.2	89.6	5215.60	7.60	32.8	145.4
5213.65	5.65	23.4	90.7	5215.65	7.65	33.1	147.0
5213.70	5.70	23.7	91.9	5215.70	7.70	33.4	148.6
5213.75	5.75	23.9	93.0	5215.75	7.75	33.7	150.2
5213.80	5.80	24.1	94.1	5215.80	7.80	33.9	151.8
5213.85	5.85	24.3	95.3	5215.85	7.85	34.2	153.4
5213.90	5.90	24.6	96.4	5215.90	7.90	34.5	155.1
5213.95	5.95	24.8	97.5	5215.95	7.95	34.7	156.7

LADORA LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5216.00	8.00	35.0	158.3	5218.00	10.00	46.6	239.4
5216.05	8.05	35.3	160.2	5218.05	10.05	47.0	241.9
5216.10	8.10	35.5	162.0	5218.10	10.10	47.3	244.4
5216.15	8.15	35.8	163.9	5218.15	10.15	47.7	246.9
5216.20	8.20	36.1	165.8	5218.20	10.20	48.0	249.4
5216.25	8.25	36.3	167.7	5218.25	10.25	48.4	251.9
5216.30	8.30	36.6	169.6	5218.30	10.30	48.7	254.4
5216.35	8.35	36.9	171.5	5218.35	10.35	49.1	256.9
5216.40	8.40	37.1	173.3	5218.40	10.40	49.4	259.4
5216.45	8.45	37.4	175.2	5218.45	10.45	49.8	261.9
5216.50	8.50	37.7	177.1	5218.50	10.50	50.1	264.4
5216.55	8.55	37.9	179.0	5218.55	10.55	50.5	266.9
5216.60	8.60	38.2	180.9	5218.60	10.60	50.8	269.4
5216.65	8.65	38.4	182.8	5218.65	10.65	51.2	271.9
5216.70	8.70	38.7	184.6	5218.70	10.70	51.5	274.5
5216.75	8.75	39.0	186.5	5218.75	10.75	51.9	277.0
5216.80	8.80	39.2	188.4	5218.80	10.80	52.2	279.5
5216.85	8.85	39.5	190.3	5218.85	10.85	52.6	282.0
5216.90	8.90	39.8	192.2	5218.90	10.90	52.9	284.5
5216.95	8.95	40.0	194.0	5218.95	10.95	53.3	287.0
5217.00	9.00	40.3	195.9	5219.00	11.00	53.6	289.5
5217.05	9.05	40.6	198.1	5219.05	11.05	54.0	292.3
5217.10	9.10	40.9	200.3	5219.10	11.10	54.3	295.2
5217.15	9.15	41.2	202.4	5219.15	11.15	54.7	298.1
5217.20	9.20	41.6	204.6	5219.20	11.20	55.1	300.9
5217.25	9.25	41.9	206.8	5219.25	11.25	55.5	303.8
5217.30	9.30	42.2	209.0	5219.30	11.30	55.8	306.7
5217.35	9.35	42.5	211.1	5219.35	11.35	56.2	309.5
5217.40	9.40	42.8	213.3	5219.40	11.40	56.6	312.4
5217.45	9.45	43.1	215.5	5219.45	11.45	56.9	315.3
5217.50	9.50	43.5	217.7	5219.50	11.50	57.3	318.1
5217.55	9.55	43.8	219.8	5219.55	11.55	57.7	321.0
5217.60	9.60	44.1	222.0	5219.60	11.60	58.0	323.9
5217.65	9.65	44.4	224.2	5219.65	11.65	58.4	326.7
5217.70	9.70	44.7	226.3	5219.70	11.70	58.8	329.6
5217.75	9.75	45.0	228.5	5219.75	11.75	59.2	332.5
5217.80	9.80	45.3	230.7	5219.80	11.80	59.5	335.3
5217.85	9.85	45.7	232.9	5219.85	11.85	59.9	338.2
5217.90	9.90	46.0	235.0	5219.90	11.90	60.3	341.1
5217.95	9.95	46.3	237.2	5219.95	11.95	60.6	343.9

LADORA LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5220.00	12.00	61.0	346.8	5222.00	14.00	75.1	483.7
5220.05	12.05	61.0	346.8	5222.05	14.05	75.5	487.7
5220.10	12.10	61.0	346.8	5222.10	14.10	75.9	491.6
5220.15	12.15	61.0	346.8	5222.15	14.15	76.3	495.6
5220.20	12.20	61.0	346.8	5222.20	14.20	76.7	499.6
5220.25	12.25	61.0	346.8	5222.25	14.25	77.1	503.5
5220.30	12.30	61.0	346.8	5222.30	14.30	77.5	507.5
5220.35	12.35	61.0	346.8	5222.35	14.35	77.9	511.4
5220.40	12.40	61.0	346.8	5222.40	14.40	78.3	515.4
5220.45	12.45	61.0	346.8	5222.45	14.45	78.7	519.3
5220.50	12.50	61.0	346.8	5222.50	14.50	79.2	523.3
5220.55	12.55	61.0	346.8	5222.55	14.55	79.6	527.3
5220.60	12.60	61.0	346.8	5222.60	14.60	80.0	531.2
5220.65	12.65	61.0	346.8	5222.65	14.65	80.4	535.2
5220.70	12.70	61.0	346.8	5222.70	14.70	80.8	539.1
5220.75	12.75	61.0	346.8	5222.75	14.75	81.2	543.1
5220.80	12.80	61.0	346.8	5222.80	14.80	81.6	547.1
5220.85	12.85	61.0	346.8	5222.85	14.85	82.0	551.0
5220.90	12.90	61.0	346.8	5222.90	14.90	82.4	555.0
5220.95	12.95	61.0	346.8	5222.95	14.95	82.8	558.9
5221.00	13.00	61.0	346.8	5223.00	15.00	83.2	562.9
5221.05	13.05	61.7	353.6	5223.05	15.05	83.6	567.2
5221.10	13.10	62.4	360.5	5223.10	15.10	83.9	571.6
5221.15	13.15	63.1	367.3	5223.15	15.15	84.3	575.9
5221.20	13.20	63.8	374.2	5223.20	15.20	84.7	580.3
5221.25	13.25	64.5	381.0	5223.25	15.25	85.1	584.6
5221.30	13.30	65.2	387.9	5223.30	15.30	85.4	589.0
5221.35	13.35	65.9	394.7	5223.35	15.35	85.8	593.3
5221.40	13.40	66.6	401.6	5223.40	15.40	86.2	597.6
5221.45	13.45	67.3	408.4	5223.45	15.45	86.5	602.0
5221.50	13.50	68.1	415.3	5223.50	15.50	86.9	606.3
5221.55	13.55	68.8	422.1	5223.55	15.55	87.3	610.7
5221.60	13.60	69.5	428.9	5223.60	15.60	87.6	615.0
5221.65	13.65	70.2	435.8	5223.65	15.65	88.0	619.4
5221.70	13.70	70.9	442.6	5223.70	15.70	88.4	623.7
5221.75	13.75	71.6	449.5	5223.75	15.75	88.8	628.1
5221.80	13.80	72.3	456.3	5223.80	15.80	89.1	632.4
5221.85	13.85	73.0	463.2	5223.85	15.85	89.5	636.7
5221.90	13.90	73.7	470.0	5223.90	15.90	89.9	641.1
5221.95	13.95	74.4	476.9	5223.95	15.95	90.2	645.4

LADORA LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5224.00	16.00	90.6	649.8
5224.05	16.05	91.4	654.7
5224.10	16.10	92.3	659.7
5224.15	16.15	93.1	664.6
5224.20	16.20	94.0	669.6
5224.25	16.25	94.8	674.5
5224.30	16.30	95.6	679.5
5224.35	16.35	96.5	684.4
5224.40	16.40	97.3	689.4
5224.45	16.45	98.2	694.3
5224.50	16.50	99.0	699.3
5224.55	16.55	99.8	704.2
5224.60	16.60	100.7	709.2
5224.65	16.65	101.5	714.1
5224.70	16.70	102.4	719.1
5224.75	16.75	103.2	724.0
5224.80	16.80	104.0	729.0
5224.85	16.85	104.9	733.9
5224.90	16.90	105.7	738.9
5224.95	16.95	106.6	743.8
5225.00	17.00	107.4	748.8

HAVANA POND STAGE VOLUME AND STAGE AREA CURVES

ELEV. (FEET)	STAGE (FEET)	SURFACE AREA (ACRES)	VOLUME (ACRE-FEET)	ELEV. (FEET)	STAGE (FEET)	SURFACE AREA (ACRES)	VOLUME (ACRE-FEET)
5246.70	2.50	16.15	29.88	5249.20	5.00	31.05	87.56
5246.75	2.55	16.39	30.69	5249.25	5.05	31.38	89.12
5246.80	2.60	16.64	31.52	5249.30	5.10	31.72	90.70
5246.85	2.65	16.88	32.35	5249.35	5.15	32.05	92.29
5246.90	2.70	17.13	33.20	5249.40	5.20	32.38	93.91
5246.95	2.75	17.37	34.07	5249.45	5.25	32.71	95.53
5247.00	2.80	17.62	34.94	5249.50	5.30	33.05	97.18
5247.05	2.85	17.87	35.83	5249.55	5.35	33.38	98.84
5247.10	2.90	18.11	36.73	5249.60	5.40	33.71	100.52
5247.15	2.95	18.36	37.64	5249.65	5.45	34.05	102.21
5247.20	3.00	18.60	38.56	5249.70	5.50	34.38	103.92
5247.25	3.05	18.85	39.50	5249.75	5.55	34.66	105.65
5247.30	3.10	19.09	40.45	5249.80	5.60	34.94	107.39
5247.35	3.15	19.34	41.41	5249.85	5.65	35.22	109.14
5247.40	3.20	19.59	42.38	5249.90	5.70	35.51	110.91
5247.45	3.25	19.83	43.37	5249.95	5.75	35.79	112.69
5247.50	3.30	20.08	44.37	5250.00	5.80	36.07	114.49
5247.55	3.35	20.32	45.38	5250.05	5.85	36.35	116.30
5247.60	3.40	20.57	46.40	5250.10	5.90	36.63	118.12
5247.65	3.45	20.81	47.43	5250.15	5.95	36.91	119.96
5247.70	3.50	21.06	48.48	5250.20	6.00	37.20	121.81
5247.75	3.55	21.39	49.54	5250.25	6.05	37.48	123.68
5247.80	3.60	21.73	50.62	5250.30	6.10	37.76	125.56
5247.85	3.65	22.06	51.71	5250.35	6.15	38.04	127.46
5247.90	3.70	22.39	52.83	5250.40	6.20	38.32	129.37
5247.95	3.75	22.72	53.95	5250.45	6.25	38.60	131.29
5248.00	3.80	23.06	55.10	5250.50	6.30	38.88	133.23
5248.05	3.85	23.39	56.26	5250.55	6.35	39.17	135.18
5248.10	3.90	23.72	57.44	5250.60	6.40	39.45	137.14
5248.15	3.95	24.06	58.63	5250.65	6.45	39.73	139.12
5248.20	4.00	24.39	59.84	5250.70	6.50	40.01	141.12
5248.25	4.05	24.72	61.07	5250.75	6.55	40.29	143.12
5248.30	4.10	25.06	62.31	5250.80	6.60	40.57	145.14
5248.35	4.15	25.39	63.58	5250.85	6.65	40.85	147.18
5248.40	4.20	25.72	64.85	5250.90	6.70	41.14	149.23
5248.45	4.25	26.05	66.15	5250.95	6.75	41.42	151.29
5248.50	4.30	26.39	67.46	5251.00	6.80	41.70	153.37
5248.55	4.35	26.72	68.79	5251.05	6.85	41.98	155.46
5248.60	4.40	27.05	70.13	5251.10	6.90	42.26	157.57
5248.65	4.45	27.39	71.49	5251.15	6.95	42.54	159.69
5248.70	4.50	27.72	72.87	5251.20	7.00	42.83	161.82
5248.75	4.55	28.05	74.26	5251.25	7.05	43.11	163.97
5248.80	4.60	28.39	75.68	5251.30	7.10	43.39	166.13
5248.85	4.65	28.72	77.10	5251.35	7.15	43.67	168.31
5248.90	4.70	29.05	78.55	5251.40	7.20	43.95	170.50
5248.95	4.75	29.38	80.01	5251.45	7.25	44.23	172.71
5249.00	4.80	29.72	81.49	5251.50	7.30	44.51	174.92
5249.05	4.85	30.05	82.98	5251.55	7.35	44.80	177.16
5249.10	4.90	30.38	84.49	5251.60	7.40	45.08	179.40
5249.15	4.95	30.72	86.02	5251.65	7.45	45.36	181.67

HAVANA POND STAGE VOLUME AND
STAGE AREA CURVES

ELEV. (FEET)	STAGE (FEET)	SURFACE AREA (ACRES)	VOLUME (ACRE-FEET)	ELEV. (FEET)	STAGE (FEET)	SURFACE AREA (ACRES)	VOLUME (ACRE-FEET)
5241.70	-2.50	0.00	0.00	5244.20	0.00	4.67	4.27
5241.75	-2.45	0.06	0.00	5244.25	0.05	4.89	4.51
5241.80	-2.40	0.12	0.01	5244.30	0.10	5.11	4.76
5241.85	-2.35	0.19	0.01	5244.35	0.15	5.32	5.02
5241.90	-2.30	0.25	0.02	5244.40	0.20	5.54	5.29
5241.95	-2.25	0.31	0.04	5244.45	0.25	5.76	5.57
5242.00	-2.20	0.37	0.06	5244.50	0.30	5.98	5.86
5242.05	-2.15	0.43	0.08	5244.55	0.35	6.20	6.17
5242.10	-2.10	0.50	0.10	5244.60	0.40	6.42	6.48
5242.15	-2.05	0.56	0.13	5244.65	0.45	6.64	6.81
5242.20	-2.00	0.62	0.16	5244.70	0.50	6.86	7.15
5242.25	-1.95	0.68	0.19	5244.75	0.55	7.07	7.50
5242.30	-1.90	0.74	0.22	5244.80	0.60	7.29	7.85
5242.35	-1.85	0.81	0.26	5244.85	0.65	7.51	8.22
5242.40	-1.80	0.87	0.30	5244.90	0.70	7.73	8.61
5242.45	-1.75	0.93	0.35	5244.95	0.75	7.95	9.00
5242.50	-1.70	0.99	0.40	5245.00	0.80	8.17	9.40
5242.55	-1.65	1.05	0.45	5245.05	0.85	8.39	9.81
5242.60	-1.60	1.12	0.50	5245.10	0.90	8.61	10.24
5242.65	-1.55	1.18	0.56	5245.15	0.95	8.82	10.68
5242.70	-1.50	1.24	0.62	5245.20	1.00	9.04	11.12
5242.75	-1.45	1.30	0.68	5245.25	1.05	9.26	11.58
5242.80	-1.40	1.36	0.75	5245.30	1.10	9.48	12.05
5242.85	-1.35	1.43	0.82	5245.35	1.15	9.70	12.53
5242.90	-1.30	1.49	0.89	5245.40	1.20	9.92	13.02
5242.95	-1.25	1.55	0.97	5245.45	1.25	10.14	13.52
5243.00	-1.20	1.61	1.05	5245.50	1.30	10.36	14.03
5243.05	-1.15	1.67	1.13	5245.55	1.35	10.57	14.55
5243.10	-1.10	1.74	1.22	5245.60	1.40	10.79	15.09
5243.15	-1.05	1.80	1.30	5245.65	1.45	11.01	15.63
5243.20	-1.00	1.86	1.39	5245.70	1.50	11.23	16.19
5243.25	-0.95	1.92	1.49	5245.75	1.55	11.48	16.76
5243.30	-0.90	1.98	1.59	5245.80	1.60	11.72	17.34
5243.35	-0.85	2.05	1.69	5245.85	1.65	11.97	17.93
5243.40	-0.80	2.11	1.79	5245.90	1.70	12.21	18.53
5243.45	-0.75	2.17	1.90	5245.95	1.75	12.46	19.15
5243.50	-0.70	2.23	2.01	5246.00	1.80	12.70	19.78
5243.55	-0.65	2.29	2.12	5246.05	1.85	12.95	20.42
5243.60	-0.60	2.36	2.24	5246.10	1.90	13.20	21.08
5243.65	-0.55	2.42	2.36	5246.15	1.95	13.44	21.74
5243.70	-0.50	2.48	2.48	5246.20	2.00	13.69	22.42
5243.75	-0.45	2.70	2.61	5246.25	2.05	13.93	23.11
5243.80	-0.40	2.92	2.75	5246.30	2.10	14.18	23.81
5243.85	-0.35	3.14	2.90	5246.35	2.15	14.42	24.53
5243.90	-0.30	3.36	3.06	5246.40	2.20	14.67	25.26
5243.95	-0.25	3.57	3.24	5246.45	2.25	14.92	25.[illegible]
5244.00	-0.20	3.79	3.42	5246.50	2.30	15.16	26.75
5244.05	-0.15	4.01	3.62	5246.55	2.35	15.41	27.51
5244.10	-0.10	4.23	3.82	5246.60	2.40	15.65	28.[illegible]
5244.15	-0.05	4.45	4.04	5246.65	2.45	15.70	29.0[illegible]

HAVANA POND STAGE VOLUME AND STAGE AREA CURVES

ELEV. (FEET)	STAGE (FEET)	SURFACE AREA (ACRES)	VOLUME (ACRE FEET)
5251.70	7.50	45.64	183.94
5251.75	7.55	45.92	106.23
5251.80	7.60	46.19	188.53
5251.85	7.65	46.47	190.85
5251.90	7.70	46.75	193.18
5251.95	7.75	47.03	195.52
5252.00	7.80	47.30	197.88
5252.05	7.85	47.58	200.25
5252.10	7.90	47.86	202.64
5252.15	7.95	48.13	205.04
5252.20	8.00	48.41	207.45
5252.25	8.05	48.69	209.88
5252.30	8.10	48.96	212.32
5252.35	8.15	49.24	214.78
5252.40	8.20	49.52	217.25
5252.45	8.25	49.79	219.73
5252.50	8.30	50.07	222.22
5252.55	8.35	50.35	224.74
5252.60	8.40	50.63	227.26
5252.65	8.45	50.90	229.80
5252.70	8.50	51.18	232.35
5252.75	8.55	51.46	234.92
5252.80	8.60	51.73	237.50
5252.85	8.65	52.01	240.09
5252.90	8.70	52.29	242.70
5252.95	8.75	52.57	245.32
5253.00	8.80	52.84	247.95
5253.05	8.85	53.12	250.60
5253.10	8.90	53.40	253.27
5253.15	8.95	53.67	255.94
5253.20	9.00	53.95	258.63
5253.25	9.05	34.23	261.34
5253.30	9.10	54.50	264.06
5253.35	9.15	54.78	266.79
5253.40	9.20	55.06	269.53
5253.45	9.25	55.33	272.29
5253.50	9.30	55.61	275.07
5253.55	9.35	55.89	277.85
5253.60	9.40	56.17	280.66
5253.65	9.45	56.44	283.47
5253.70	9.50	56.72	286.30

RMA MONTHLY LAKE STAGE AND METER READING DATA OCTOBER 1985-NOVEMBER 1987

LAKE STAGES AND METER READINGS

	ATMOSPHERIC		LAKE STAGES (FEET)					METER READINGS	
Month	Precip. (Inches)	Evap (Inches)	Upper Derby	Lower Derby	Ladora Lake	Mary Lake	Havana Pond	SIP (gal)	Ladora (gal)
10/85	.85	2.73	2.2	16.9	11.8	1.12	3.10	387,400	2,963,700
11/85	.82	1.89	1.8	16.4	12.3	0.95	2.01	309,500	2,867,000
12/85	.47	.63	1.4	16.3	12.5	1.38	.35	206,000	2,288,300
01/86	.16	.49	1.4	16.0	12.4	1.54	0	188,400	2,845,300
02/86	.57	.63	1.1	15.8	12.5	1.61	0	95,000	309,600
03/86	.46	1.12	0.6	15.7	12.5	1.59	0	164,600	215,600
04/86	1.78	2.24	0	15.3	12.4	1.48	0	447,700	745,200
05/86	1.36	3.50	0.8	16.2	12.4	1.56	.70	602,300	870,700
06/86	1.16	5.75	0	16.0	12.3	1.39	1.38	507,100	1,036,300
07/86	1.53	6.15	0	15.4	11.9	1.02	1.43	386,700	1,522,700
08/86	.82	5.45	0	16.4	11.6	0.67	2.07	266,100	1,209,100
09/86	.50	4.46	0	15.1	11.5	0.35	1.75	182,400	954,400
10/86	1.17	2.73	0	15.8	11.85	0.09	1.39	297,200	98,000
11/86	.85	1.89	0	15.4	11.9	0.21	3.01	446,400	211,700
12/86	.16	.63	0	15.0	12.2	0.45	1.07	534,300	394,800
01/87	.38	.49	0	14.7	12.3	0.45	0.40	240,400	394,800
02/87	.83	.63	0	14.4	12.3	0.60	0.82	205,300	1,138,800
03/87	.96	1.12	0	14.3	12.4	0.83	1.33	309,500	1,020,200
04/87	.74	2.24	0	14.2	12.4	0.96	1.44	400,400	499,100
05/87	4.13	3.50	0	14.2	12.3	0.91	1.60	338,000	411,900
06/87	2.90	6.68	0	14.4	12.3	0.80	3.31	128,400	missing
07/87	.80	6.78	1.3	16.9	12.4	1.00	4.33	327,600	missing
08/87	1.62	5.63	0	16.1	12.0	1.25	2.57	387,200	missing
09/87	.47	6.20	0	15.9	11.7	0.96	2.87	295,500	missing
10/87	1.03	3.60	0	15.3	11.6	0.67	1.89	310,200	missing
11/87	1.20	1.89	0	14.7	11.7	0.52	2.72	229,600	missing
12/87	1.30	0.63	0	14.6	12.0	0.62	2.15		

DAILY PRECIPITATION DATA FOR THE RMA VICINITY OCTOBER 1985-NOVEMBER 1987

ROCKY MOUNTAIN ARSENAL MONTHLY PRECIPITATION

OCTOBER, 1985

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1		0.00	0.00	0.00
2		0.00	0.00	0.00
3		0.00	0.00	0.00
4		0.00	0.00	0.00
5		0.00	0.00	0.00
6		0.00	0.00	0.00
7		0.01	0.00	0.01
8		0.02	0.00	0.01
9		0.01	0.00	0.01
10	0.00	0.11	0.00	0.04
11	0.20	0.19	0.12	0.17
12	0.00	0.02	0.00	0.01
13	0.06	0.14	0.27	0.16
14	0.08	0.16	0.00	0.08
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.00	0.40	0.00	0.13
18	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00
31	0.15	0.21	0.38	0.25
TOTALS	0.50	1.27	0.77	0.85

NOVEMBER, 1985

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.03	0.00	0.01
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.02	0.03	0.02
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00
9	0.00	0.00	0.57	0.19
10	0.00	0.00	0.01	0.00
11	0.00	0.00	0.00	0.00
12	0.03	0.00	0.02	0.02
13	0.05	0.26	0.00	0.10
14	0.05	0.01	0.13	0.06
15	0.00	0.06	0.16	0.07
16	0.29	0.31	0.00	0.20
17	0.03	0.01	0.00	0.01
18	0.00	0.00	0.05	0.02
19	0.00	0.01	0.17	0.06
20	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.01	0.00
24	0.02	0.01	0.00	0.01
25	0.03	0.02	0.00	0.02
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.01	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.05	0.02
TOTALS	0.50	0.75	1.20	0.82

DECEMBER, 1985

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.01	0.07	0.00	0.03
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.01	0.00	0.00	0.00
8	0.00	0.00	0.15	0.05
9	0.00	0.00	0.28	0.09
10	0.00	0.00	0.21	0.07
11	0.00	0.00	0.01	0.00
12	0.00	0.00	0.00	0.00
13	0.07	0.00	0.00	0.02
14	0.32	0.26	0.00	0.19
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.00		0.00	0.00
18	0.00		0.00	0.00
19	0.00		0.00	0.00
20	0.00		0.00	0.00
21	0.00		0.00	0.00
22	0.00		0.00	0.00
23	0.00		0.01	0.01
24	0.00		0.00	0.00
25	0.00		0.00	0.00
26	0.00		0.00	0.00
27	0.00		0.00	0.00
28	0.00		0.00	0.00
29	0.00		0.00	0.00
30	0.00		0.00	0.00
31	0.00		0.00	0.00
TOTALS	0.41	0.33	0.66	0.47

ROCKY MOUNTAIN ARSENAL MONTHLY PRECIPITATION

JANUARY, 1986

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00		0.00	0.00
2	0.00		0.00	0.00
3	0.00		0.00	0.00
4	0.00		0.00	0.00
5	0.00		0.00	0.00
6	0.08		0.20	0.14
7	0.01		0.02	0.02
8	0.00		0.00	0.00
9	0.00		0.00	0.00
10	0.00		0.00	0.00
11	0.00		0.00	0.00
12	0.00		0.00	0.00
13	0.00		0.00	0.00
14	0.00		0.00	0.00
15	0.01		0.00	0.01
16	0.00		0.00	0.00
17	0.00		0.00	0.00
18	0.00		0.00	0.00
19	0.00		0.00	0.00
20	0.00		0.00	0.00
21	0.00		0.00	0.00
22	0.00		0.00	0.00
23	0.00		0.00	0.00
24	0.00		0.00	0.00
25	0.00		0.00	0.00
26	0.00		0.00	0.00
27	0.00		0.00	0.00
28	0.00		0.00	0.00
29	0.00		0.00	0.00
30	0.00		0.00	0.00
31	0.00		0.00	0.00
TOTALS	0.10	0.00	0.22	0.16

FEBRUARY, 1986

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00		0.00	0.00
2	0.00		0.00	0.00
3	0.10		0.00	0.05
4	0.00		0.00	0.00
5	0.03		0.05	0.04
6	0.00		0.10	0.05
7	0.00		0.02	0.01
8	0.00		0.01	0.01
9	0.00		0.07	0.04
10	0.08		0.00	0.04
11	0.00		0.00	0.00
12	0.00		0.00	0.00
13	0.00		0.00	0.00
14	0.00		0.00	0.00
15	0.00		0.00	0.00
16	0.00		0.00	0.00
17	0.00		0.00	0.00
18	0.00		0.00	0.00
19	0.06		0.08	0.07
20	0.21		0.31	0.26
21	0.00		0.00	0.00
22	0.00		0.00	0.00
23	0.00		0.00	0.00
24	0.00		0.00	0.00
25	0.00		0.00	0.00
26	0.00		0.00	0.00
27	0.00		0.01	0.01
28	0.00		0.00	0.00
TOTALS	0.48	0.00	0.65	0.57

MARCH, 1986

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00		0.00	0.00
2	0.00		0.00	0.00
3	0.00		0.00	0.00
4	0.00		0.00	0.00
5	0.00		0.00	0.00
6	0.00		0.00	0.00
7	0.00		0.00	0.00
8	0.00		0.00	0.00
9	0.00		0.00	0.00
10	0.00		0.00	0.00
11	0.00		0.00	0.00
12	0.07		0.05	0.06
13	0.00		0.00	0.00
14	0.01		0.00	0.01
15	0.00		0.01	0.01
16	0.02		0.06	0.04
17	0.25		0.16	0.21
18	0.00		0.02	0.01
19	0.13		0.12	0.13
20	0.00		0.01	0.01
21	0.00		0.00	0.00
22	0.00		0.00	0.00
23	0.00		0.00	0.00
24	0.00		0.00	0.00
25	0.00		0.00	0.00
26	0.00		0.00	0.00
27	0.00		0.00	0.00
28	0.00		0.00	0.00
29	0.00		0.00	0.00
30	0.00		0.00	0.00
31	0.00		0.00	0.00
TOTALS	0.48	0.00	0.43	0.46

ROCKY MOUNTAIN ARSENAL MONTHLY PRECIPITATION

APRIL, 1986

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.99	0.00	0.43	0.47
3	0.41	0.00	0.97	0.46
4	0.04	0.00	0.00	0.01
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.04	0.00	0.03	0.02
9	0.08	0.00	0.23	0.10
10	0.01	0.00	0.00	0.00
11	0.15	0.00	0.12	0.09
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.22	0.28	0.51	0.34
18	0.01	0.00	0.02	0.01
19	0.06	0.03	0.00	0.01
20	0.11	0.00	0.10	0.07
21	0.09	0.19	0.02	0.10
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.04	0.06	0.16	0.09
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00
TOTALS	2.19	0.56	2.59	1.78

MAY, 1986

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.06	0.04	0.05	0.05
8	0.23	0.34	0.29	0.29
9	0.00	0.01	0.00	0.00
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.00	0.01	0.01	0.01
15	0.63	0.27	0.20	0.37
16	0.52	0.67	0.64	0.61
17	0.00	0.01	0.01	0.01
18	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.06	0.02
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00
31	0.00	0.00	0.04	0.01
TOTALS	1.44	1.35	1.30	1.36

JUNE, 1986

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.02	0.07	0.08	0.06
2	0.02	0.14	0.04	0.07
3	0.00	0.00	0.00	0.00
4	0.05	0.03	0.04	0.04
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.03	0.01	0.01	0.02
8	0.00	0.05	0.09	0.05
9	0.32		0.12	0.22
10	0.53		0.38	0.46
11	0.00		0.00	0.00
12	0.00		0.00	0.00
13	0.00		0.01	0.01
14	0.00		0.00	0.00
15	0.00		0.00	0.00
16	0.21		0.10	0.16
17	0.00		0.00	0.00
18	0.00		0.19	0.10
19	0.00		0.00	0.00
20	0.00		0.00	0.00
21	0.00		0.00	0.00
22	0.00		0.00	0.00
23	0.00		0.00	0.00
24	0.00		0.00	0.00
25	0.00		0.00	0.00
26	0.00		0.00	0.00
27	0.00		0.00	0.00
28	0.00		0.00	0.00
29	0.00		0.01	0.01
30	0.00		0.00	0.00
TOTALS	1.18	0.30	1.07	1.16

ROCKY MOUNTAIN ARSENAL MONTHLY PRECIPITATION

JULY, 1986

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00		0.00	0.00
2	0.06		0.00	0.03
3	0.00		0.00	0.00
4	0.00		0.01	0.01
5	0.22		0.21	0.22
6	0.01		0.03	0.02
7	0.00		0.00	0.00
8	0.00		0.00	0.00
9	0.00		0.00	0.00
10	0.00		0.04	0.02
11	0.01		0.00	0.01
12	0.00		0.00	0.00
13	0.01		0.00	0.01
14	0.00		0.00	0.00
15	0.00		0.00	0.00
16	0.16	0.15	0.08	0.13
17	0.35	0.78	0.89	0.67
18	0.02	0.05	0.00	0.02
19	0.00	0.00	0.00	0.00
20	0.30	0.29	0.30	0.30
21	0.09	0.00	0.02	0.04
22	0.06	0.05	0.11	0.07
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.01	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00
TOTALS	1.30	1.30	1.69	1.53

AUGUST, 1986

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.16	0.61	0.04	0.27
3	0.00	0.04	0.00	0.01
4	0.08	0.08	0.11	0.09
5	0.01	0.01	0.00	0.01
6	0.00	0.00	0.02	0.01
7	0.14	0.01	0.04	0.06
8	0.02	0.01	0.01	0.01
9	0.04	0.00	0.00	0.01
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.02	0.00	0.01	0.01
13	0.12	0.00	0.00	0.04
14	0.00	0.00	0.01	0.00
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00
18	0.01	0.00	0.06	0.02
19	0.04	0.01	0.01	0.02
20	0.02	0.00	0.00	0.01
21	0.29	0.00	0.00	0.10
22	0.01	0.00	0.17	0.06
23	0.00	0.00	0.02	0.01
24	0.00	0.00	0.00	0.00
25	0.00		0.03	0.02
26	0.12		0.00	0.06
27	0.00		0.00	0.00
28	0.00		0.00	0.00
29	0.00		0.00	0.00
30	0.00		0.00	0.00
31	0.00		0.00	0.00
TOTALS	1.08	0.77	0.53	0.82

SEPTEMBER, 1986

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00		0.00	0.00
2	0.01		0.02	0.02
3	0.00		0.00	0.00
4	0.00		0.00	0.00
5	0.00		0.00	0.00
6	0.05		0.13	0.09
7	0.13		0.13	0.13
8	0.00	0.00	0.03	0.01
9	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00
21	0.07	0.00	0.00	0.02
22	0.25	0.19	0.05	0.16
23	0.01	0.00	0.00	0.00
24	0.06	0.05	0.06	0.06
25	0.01	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.01	0.00
30		0.00	0.00	0.00
TOTALS	0.59	0.24	0.43	0.50

ROCKY MOUNTAIN ARSENAL MONTHLY PRECIPITATION

OCTOBER,1986

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1		0.00	0.00	0.00
2		0.03	0.03	0.03
3		0.26	0.21	0.24
4		0.00	0.00	0.00
5		0.00	0.00	0.00
6		0.00	0.00	0.00
7		0.00	0.00	0.00
8		0.05	0.11	0.08
9		0.03	0.03	0.03
10		0.28	0.43	0.36
11		0.01	0.21	0.11
12		0.05	0.00	0.03
13		0.04	0.00	0.02
14		0.00	0.00	0.00
15		0.00	0.00	0.00
16		0.00	0.00	0.00
17		0.00	0.00	0.00
18		0.00	0.00	0.00
19		0.01	0.01	0.01
20		0.06	0.05	0.06
21		0.00	0.00	0.00
22		0.07	0.02	0.05
23		0.14	0.19	0.17
24		0.01	0.00	0.01
25		0.00	0.00	0.00
26		0.00	0.00	0.00
27		0.00	0.00	0.00
28		0.00	0.00	0.00
29		0.00	0.00	0.00
30		0.00	0.00	0.00
31		0.00	0.00	0.00
TOTALS	0.00	1.04	1.29	1.17

NOVEMBER, 1986

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1		0.17	0.30	0.24
2		0.16	0.00	0.08
3		0.01	0.00	0.01
4		0.00	0.00	0.00
5		0.00	0.00	0.00
6		0.00	0.13	0.07
7		0.00	0.17	0.09
8		0.22	0.00	0.11
9		0.04	0.00	0.02
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00
19	0.00	0.00	0.01	0.00
20	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.14	0.15	0.44	0.24
TOTALS	0.14	0.75	1.05	0.85

DECEMBER, 1986

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.01	0.00
7	0.01	0.07	0.11	0.06
8	0.01	0.04	0.10	0.05
9	0.00	0.03	0.09	0.04
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00
TOTALS	0.02	0.14	0.31	0.16

ROCKY MOUNTAIN ARSENAL MONTHLY PRECIPITATION

JANUARY, 1987

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.03	0.03	0.05	0.04
7	0.00	0.01	0.02	0.01
8	0.07	0.11	0.17	0.12
9	0.00	0.05	0.00	0.02
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00
15	0.03	0.00	0.30	0.11
16	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00
18	0.01	0.05	0.00	0.02
19	0.00	0.00	0.14	0.05
20	0.02	0.00	0.00	0.01
21	0.00	0.02	0.00	0.01
22	0.00	0.02	0.00	0.01
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00
TOTALS	0.16	0.29	0.68	0.38

FEBRUARY, 1987

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.03	0.00	0.00	0.01
4	0.00	0.04	0.06	0.03
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.02	0.01
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.00	0.00	0.41	0.14
15	0.33	0.25	0.00	0.19
16	0.04	0.03	0.02	0.03
17	0.00	0.00	0.00	0.00
18	0.05	0.02	0.27	0.11
19	0.05	0.19	0.09	0.11
20	0.00	0.07	0.02	0.03
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.01	0.00
25	0.00	0.01	0.00	0.00
26	0.05	0.00	0.30	0.12
27	0.10	0.01	0.01	0.04
28	0.00	0.00	0.00	0.00
TOTALS	0.65	0.62	1.21	0.83

MARCH, 1987

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.24	0.15	0.39	0.26
9	0.12	0.11	0.02	0.08
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00
15	0.05	0.00	0.00	0.02
16	0.23	0.04	0.27	0.18
17	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00
20	0.12	0.03	0.04	0.06
21	0.06	0.04	0.04	0.05
22	0.12	0.14	0.21	0.16
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.04	0.01	0.32	0.12
28	0.00	0.00	0.02	0.01
29	0.04	0.00	0.03	0.02
30	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00
TOTALS	1.02	0.52	1.34	0.96

ROCKY MOUNTAIN ARSENAL MONTHLY PRECIPITATION

APRIL, 1987

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.20	0.07
2	0.09	0.08	0.01	0.06
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.21	0.25	0.49	0.32
13	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00
19	0.00	0.00	0.08	0.03
20	0.32	0.23	0.25	0.27
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00
TOTALS	0.62	0.56	1.03	0.74

MAY, 1987

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.05	0.08	0.20	0.11
2	0.44	0.36	0.44	0.41
3	0.59	0.38	0.55	0.51
4	0.06	0.03	0.05	0.05
5	0.09	0.13	0.12	0.11
6	0.00	0.00	0.01	0.00
7	0.00	0.00	0.00	0.00
8	0.01	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00
10	0.01	0.00	0.00	0.00
11	0.00	0.00	0.01	0.00
12	0.00	0.00	0.03	0.01
13	0.00	0.00	0.00	0.00
14	0.00	0.03	0.04	0.02
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.06	0.10	0.16	0.11
18	0.00	0.00	0.00	0.00
19	0.30	0.07	0.10	0.16
20	0.29	0.35	0.49	0.38
21	0.51	0.40	0.48	0.46
22	0.00	0.00	0.01	0.00
23	0.96	1.27	1.33	1.19
24	0.45	0.27	0.57	0.43
25	0.00	0.01	0.00	0.00
26	0.00	0.28	0.00	0.09
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.01	0.01	0.01
30	0.02	0.14	0.04	0.07
31	0.00	0.00	0.00	0.00
TOTALS	3.84	3.91	4.64	4.13

JUNE, 1987

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.05	0.94	1.76	0.92
9	1.07	0.07	0.12	0.42
10	0.07	0.00	0.00	0.02
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.01	0.00
14	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.03	0.00	0.00	0.01
18	0.13	0.22	0.20	0.18
19	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.36	0.47	0.53	0.45
29	0.94	0.35	0.80	0.70
30	0.02	0.55	0.00	0.19
TOTALS	2.67	2.60	3.42	2.90

ROCKY MOUNTAIN ARSENAL MONTHLY PRECIPITATION

JULY, 1987

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.05	0.03	0.03
3	0.00	0.00	0.00	0.00
4	0.01	0.01	0.00	0.01
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00
11	0.00	0.03	0.04	0.02
12	0.26	0.30	0.23	0.26
13	0.01	0.00	0.00	0.00
14	0.02	0.60	0.00	0.01
15	0.06	0.00	0.00	0.02
16	0.03	0.00	0.00	0.01
17	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00
19	0.01	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.42	0.14
24	0.38	0.00	0.00	0.13
25	0.00	0.00	0.00	0.00
26	0.00	0.06	0.00	0.02
27	0.00	0.00	0.00	0.00
28	0.03	0.16	0.03	0.07
29	0.04	0.12	0.01	0.06
30	0.00	0.00	0.00	0.00
31	0.05	0.01	0.00	0.02
TOTALS	0.99	0.74	0.76	0.80

AUGUST, 1987

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.06	0.02
8	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.05	0.04	0.02	0.04
14	0.00	0.00	0.00	0.00
15	0.00	0.00	0.02	0.01
16	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00
21	0.08	0.11	0.27	0.15
22	0.68	0.44	0.76	0.63
23	0.19	0.09	0.11	0.13
24	0.00		0.09	0.05
25	0.06		0.30	0.18
26	0.23		0.37	0.30
27	0.25		0.00	0.13
28	0.00		0.00	0.00
29	0.00		0.00	0.00
30	0.00		0.00	0.00
31	0.00		0.00	0.00
TOTALS	1.54	0.68	2.00	1.62

SEPTEMBER, 1987

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.01	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.10	0.02	0.06	0.06
5	0.00	0.01	0.02	0.01
6	0.00	0.01	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00
9	0.01		0.00	0.01
10	0.02		0.01	0.02
11	0.00		0.00	0.00
12	0.00		0.00	0.00
13	0.00		0.00	0.00
14	0.09		0.39	0.24
15	0.01		0.01	0.01
16	0.00		0.01	0.01
17	0.04		0.19	0.12
18	0.00		0.00	0.00
19	0.00		0.00	0.00
20	0.00		0.00	0.00
21	0.00		0.00	0.00
22	0.00		0.00	0.00
23	0.00		0.00	0.00
24	0.00		0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00
TOTALS	0.27	0.04	0.70	0.47

ROCKY MOUNTAIN ARSENAL MONTHLY PRECIPITATION

OCTOBER, 1987

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.21		0.58	0.39
14	0.00		0.04	0.02
15	0.00		0.00	0.00
16	0.00		0.01	0.01
17	0.00		0.00	0.00
18	0.00		0.00	0.00
19	0.00		0.00	0.00
20	0.00		0.00	0.00
21	0.00		0.00	0.00
22	0.00		0.00	0.00
23	0.00		0.00	0.00
24	0.00		0.00	0.00
25	0.00		0.00	0.00
26			0.00	0.00
27			0.00	0.00
28			0.00	0.00
29			0.00	0.00
30			0.61	0.61
31			0.00	0.00
TOTALS	0.21	0.00	1.24	1.03

NOVEMBER, 1987

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1			0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.02	0.08	0.04	0.05
7	0.17	0.14	0.27	0.19
8	0.00	0.01	0.01	0.01
9	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.31	0.35	0.38	0.35
15	0.33	0.02	0.57	0.31
16	0.00	0.00	0.00	0.00
17	0.00		0.00	0.00
18	0.00		0.00	0.00
19	0.00		0.00	0.00
20	0.00		0.00	0.00
21	0.00		0.00	0.00
22	0.00		0.00	0.00
23	0.00		0.00	0.00
24	0.00		0.00	0.00
25	0.00		0.00	0.00
26	0.23		0.34	0.29
27	0.02		0.01	0.02
28	0.00		0.00	0.00
29	0.00		0.00	0.00
30	0.00	0.00	0.00	0.00
TOTALS	1.08	0.60	1.62	1.20

MONTHLY CHERRY CREEK PAN EVAPORATION DATA 1959-1987

C[illegible]y Creek Dam
F[illegible] Evaporation In Inches
Table Assumes Daily Lake Evaporation will be .7 of the pan valve

Year/Month	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1959		1.10	3.90	7.00	7.00	9.50	12.10	11.60	6.92	3.00	2.00	1.40	66.2
1960	1.40	1.00	1.40	4.40	8.20	10.30	11.90	12.30	8.50	4.10	2.90	1.20	67.6
1961	1.24	1.20	2.40	5.77	7.69	9.20	10.80	10.80	5.55	4.60	1.10	0.79	61.1
1962	.60	.60	1.55	3.33	7.80	9.20	11.80	12.20	8.40	6.30	3.00	1.50	66.3
1963	1.30	1.70	2.50	5.60	7.10	10.00	10.80	9.20	6.50	4.90	3.10	.88	63.6
1964	.88	1.30	2.00	4.00	[illegible]	11.70	10.00	8.80	7.60	5.80	2.40	.98	62.4
1965	.73	1.20	1.70	3.40	[illegible]	7.40	8.60	8.80	5.50	2.60	2.30	.94	48.9
1966	.76	.77	1.50	2.70	[illegible]	8.05	8.40	8.80	6.10	2.80	1.49	1.07	50.4
1967	.64	.85	1.70	3.75	5.63	6.10	6.80	7.00	6.40	3.72	1.90	1.00	45.7
1968	.61	.80	1.40	5.35	6.50	9.40	9.80	7.20	6.10	5.00	2.20	1.10	55.5
1969	.63	64	.55	5.70	6.31	6.60	7.80	8.64	5.74	3.60	2.30	1.20	49.7
1970	.70	.75	1.50	4.50	7.20	8.80	8.60	8.20	6.30	3.00	1.90	1.70	53.2
1971	.70	.80	1.80	3.50	6.70	8.77	7.97	8.31	6.00	3.90	2.30	1.00	51.8
1972	.80	.80	1.50	3.80	6.61	7.94	8.75	8.70	5.25	4.27	2.50	.75	51.7
1973	.70	.90	1.80	3.50	6.80	8.57	8.22	8.34	5.37	4.10	1.80	.80	50.9
1974	.80	.80	1.5	4.00	8.32	7.50	9.70	7.90	5.69	4.00	1.80	.86	52.8
1975	.80	.80	1.0	3.5	6.00	7.88	9.45	8.33	6.23	6.43	2.0	.80	53.2
1976	.60	1.2	1.9	3.6	5.85	8.80	9.69	7.72	5.40	3.54	2.0	.80	51.1
1977	.69	.70	1.6	3.1	8.06	9.05	9.03	7.35	8.15	6.13	2.10	1.30	57.2
1978	.70	.90	1.6	5.6	6.69	8.76	10.54	8.96	8.64	5.60	2.70	.90	61.7
1979	.70	.90	1.60	3.20	6.00	8.20	9.33	7.97	6.48	4.46	2.00	.90	51.7
1980	.70	.90	1.60	3.20	6.75	10.33	11.05	8.45	7.04	5.8	2.70	1.00	59.5
1981	.80	.90	[illegible]	5.14	5.46	8.72	9.53	7.17	6.74	4.00	2.70	.90	53.7
1982	.70	.90	1.70	4.00	5.90	7.26	8.81	7.30	5.79	3.67	2.70	.90	49.6
1983	.70	.90	1.60	3.20	5.00	4.29	10.41	8.59	8.85	8.07	2.70	.90	55.2
1984	.70	.90	1.60	3.20	5.00	6.93	10.48	7.34	6.07	4.10	2.70	.90	49.9
1985	.70	.90	1.60	3.20	7.00	9.72	11.80	8.17	6.96	3.90	2.70	.90	
1986	.70	.90	1.6	3.2	5.0	8.22	8.97	7.78	6.37	3.90	2.70	.90	
1987	.70	.90	1.6	3.2	5.0	9.54	9.69	8.04*	8.86*	5.14*	2.70	.90	
27 Year avg													
1959-85	.75	.93	1.71	4.12	6.70	8.47	9.71	8.67	6.59	4.51	2.28	1.01	54.98
Evap in/mo													
	.53	.65	1.20	2.88	4.69	5.93	6.80	6.07	4.61	3.16	1.60	.71	38.83

NOTE: Pan valves inside border lines are actual readings: outside are estimated values
* Obtained via phone conversation 1/08/88 by Kevin Pierson

Source: COE. 1987

DAILY STREAM DISCHARGE DATA FOR RMA GAGING STATIONS OCTOBER 1985-NOVEMBER 1987

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: PEORIA INTERCEPT

\DAY MONTH\	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
10/85	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	1.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.9	.0	6.9
11/85	.6	.0	.0	.0	.0	.0	.0	.0	.6	.1	.1	.0	.1	.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0		5.0	.0	3.4
12/85	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.3
1/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0
3/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5	.0	1.9
4/86	.0	1.4	.5	3.2	3.3	.7	.4	.4	.9	.1	.3	.0	.0	.0	.0	.0	1.6	.0	.0	.3	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0		37.7	.0	26.2
5/86	.0	.0	.0	.0	.0	.0	.1	.9	.0	.0	.0	.0	.0	.0	1.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	20.4	.0	10.4
6/86	.3	.3	.0	.1	.0	.0	.0	.4	.3	1.6	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	.1	.0		14.8	.0	7.3
7/86	.0	.0	.0	.1	.7	.1	.0	.0	.0	.1	.0	.0	.1	.1	.0	.5	4.9	.1	.0	1.4	.1	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	121.8	.0	17.0
8/86	.0	4.8	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.2	.1	.0	.1	.0	.0	.1	.1	.3	.2	230.8	.0	14.6
9/86	.2	.1	.0	.0	.0	.3	.7	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.2	.0	.1	.0	.0	.0	.1	.1	.0		15.9	.0	4.1
10/86	.0	.0	.0	.0	.0	.0	.0	.1	.1	1.7	.6	.0	.2	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	17.0	.0	12.9
11/86	1.3	.2	.4	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1		5.0	.0	7.4
12/86	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	.0	.5
1/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2/87	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4				.4	.0	1.5
3/87	.4	.4	1.0	1.0	1.0	1.0	2.0	4.1	4.1	2.0	1.0	1.0	1.0	1.0	.4	.4	.4	.4	.4	1.0	1.0	1.0	1.0	1.0	1.0	.4	.4	.4	.0	.0	.3	4.1	.0	69.2
4/87	.1	.4	.0	.0	.6	.0	.0	.0	.0	.0	.0	1.5	.6	.0	.0	.0	.0	.0	.1	1.0	.2	.0	.0	.0	.0	.0	.1	.2	.2	.1		9.3	.0	9.0
5/87	7	2.0	2.8	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.4	2.7	2.7	.4	5.6	.0	.0	.0	.0	.0	.0	.3	.0	28.8	.0	37.8
6/87	.1	.4	.1	.3	.3	.4	.4	.1	.0	.0	1.2	.3	.4	.3	.1	.1	.1	.6	.0	.0	.0	.0	.0	.0	.1	.0	.0	2.0	.2	.0		30.9	.0	13.8
7/87	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	1.2	.2	.4	.4	.4	.4	.4	.4	.4	.4	.4	.7	.4	.4	.4	.4	.4	1.0	.4	.4	28.8	.0	19.2
8/87	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	1.0	7.6	1.5	.7	.9	1.2	.0	.0	.0	.0	.0	56.2	.0	40.9
9/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
10/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: HAVABA INTERCEPT

\DAY MONTH\	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
10/85	4.2	.6	.2	.0	.2	.0	.2	.0	.2	.1	1.6	.0	2.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	3.1	20.2	.0	29.8
11/85	.1	.0	.0	.1	.0	.0	.0	.0	2.2	.0	.0	.0	1.3	.7	2.9	4.3	1.4	.7	3.0	4.0	4.0	4.0	4.0	4.0	14.4	7.5	5.6	1.6	1.3	1.3		51.2	.0	136.3
12/85	1.3	1.3	2.0	2.0	5.7	2.6	2.1	2.1	.7	.7	.7	.7	.7	1.0	1.3	1.3	1.3	.7	.7	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	8.3	.3	69.2
1/86	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2
2/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0				.1	.0	.8
3/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	.6	1.7	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27.1	.0	17.8
4/86	.0	5.7	36.3	62.0	19.7	15.9	6.6	3.5	4.6	1.7	2.2	1.6	1.3	1.4	1.0	1.0	6.4	.8	.0	.6	1.1	.1	.0	.5	1.0	1.9	.6	.5	.4	1.0		231.0	.3	350.7
5/86	1.0	.9	.8	1.1	1.7	2.0	2.6	5.6	1.2	.8	.9	.9	1.1	1.4	3.3	10.3	.6	.8	.4	.2	.5	.4	.5	.3	.4	1.3	1.5	1.6	1.7	1.6	1.4	40.5	.3	95.1
6/86	1.8	2.3	.7	.9	.7	.7	.7	1.8	1.4	6.3	.9	.9	.9	.9	1.0	1.9	1.0	1.7	.8	.9	.7	.8	.9	1.2	1.0	1.0	1.3	1.3	1.3	1.1		45.7	.5	77.5
7/86	1.4	1.6	1.4	1.2	3.6	1.7	1.4	1.1	1.2	1.5	1.0	.9	1.0	1.1	1.2	2.7	7.2	6.2	1.3	5.4	1.8	1.9	1.2	1.0	1.1	1.1	1.3	1.1	.8	.9	.9	210.4	.6	113.7
8/86	.7	11.2	1.5	1.0	1.6	1.6	1.4	1.7	1.7	1.6	1.5	1.7	1.7	1.7	1.7	1.6	1.7	1.8	1.7	1.6	1.7	4.4	1.8	1.7	1.7	1.2	1.1	1.1	1.3	1.1	1.1	189.5	.3	118.6
9/86	1.3	1.4	1.2	1.3	1.1	1.5	3.0	2.1	1.1	.9	.8	.9	.7	.8	1.0	1.4	1.0	1.3	1.0	1.0	.9	1.4	.8	1.1	.9	1.0	1.2	1.4	1.1	.9		25.0	.5	70.5
10/86	1.1	1.1	3.6	1.3	1.0	1.1	1.0	1.0	1.6	4.5	3.7	1.3	1.5	1.0	.7	.8	.7	.7	.7	1.4	.8	.8	4.1	1.2	1.0	.7	.8	.7	.8	.7	3.0	32.6	.7	80.6
11/86	1.2	1.6	1.5	1.3	1.3	1.7	3.6	1.4	1.3	1.8	1.8	1.3	1.1	.7	.5	.3	.2	.1	.1	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.4		41.7	.1	53.8
12/86	4.8	1.2	.6	.3	.4	.3	.9	.4	.3	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	35.0	.1	22.0
1/87	.1	.1	.1	.1	.1	.1	.1	.3	.3	.3	.3	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	4.1
2/87	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3	.3	.3				.3	.0	3.8
3/87	.3	.3	.3	.3	.3	.3	1.3	3.0	5.2	3.0	1.3	.3	.3	.3	3.0	3.0	3.0	1.3	.3	6.5	6.5	6.5	6.5	4.0	2.1	.7	.1	.1	.1	.1	.0	6.5	.1	121.5
4/87	1.0	4.2	.5	.3	.1	.0	.0	.0	.0	.0	.0	6.0	4.5	.1	.1	.1	.1	.1	.1	10.4	1.6	1.3	1.3	1.3	1.3	1.3	1.1	.7	.7	.9		32.6	.0	77.4
5/87	4.8	6.5	10.1	2.3	5.1	2.6	1.8	2.2	2.0	1.9	1.9	4.5	1.4	1.0	1.2	1.0	2.1	1.4	2.3	16.9	20.3	5.2	20.9	9.1	1.8	1.3	1.3	1.3	1.5	2.2	1.3	389.4	.9	276.6
6/87	1.3	1.3	1.3	1.3	1.4	1.3	1.7	31.7	10.8	4.2	4.3	4.1	3.6	3.0	3.8	3.0	4.1	7.7	4.6	3.9	4.3	4.0	4.7	4.1	3.6	3.9	3.4	7.7	9.3	2.9		677.1	1.0	293.9
7/87	1.6	1.3	1.7	1.2	1.5	1.6	1.0	1.1	1.1	1.5	1.5	4.3	1.7	1.6	1.7	1.6	1.6	1.5	1.5	1.6	1.4	1.5	1.4	4.9	1.4	1.3	2.2	3.5	4.4	2.9	3.1	33.2	.6	119.1
8/87	2.5	2.5	2.5	2.7	2.6	2.3	2.3	1.9	1.6	2.2	1.7	1.5	1.7	1.7	1.4	1.4	1.5	1.1	1.2	1.1	2.1	12.2	3.2	1.1	.0	.0	.0	.0	.0	.0	.0	82.8	.0	113.0
9/87	1.6	1.5	1.5	5.4	1.7	1.6	1.3	.9	.9	.8	1.0	.7	.7	8.9	2.7	1.4	4.2	1.6	1.3	1.3	1.2	.9	.9	.8	1.0	.9	.7	1.3	1.3	1.3		123.2	.6	102.4
10/87	1.3	1.4	1.3	1.3	.9	.3	.3	.3	.3	.3	.3	.8	7.2	3.9	1.3	1.3	1.3	1.1	1.1	1.3	1.3	1.3	1.3	1.3	1.3	.7	.3	.3	.3	12.0	1.3	80.1	.3	90.1
11/87	1.3	.8	.6	.6	.6	.5	2.1	.6	.2	.3	.3	.3	.3	1.9	1.7	4.2	3.0	.8	1.0	.7	.5	.4	.7	.7	.7	9.7	7.3	2.4	2.6	1.7		32.1	.1	96.5

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: LADORA WEIR

\DAY MONTH\	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
10/85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.9	.0	10.4
11/85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		5.0	.0	1.5
12/85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0
3/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
5/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
7/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.9	.0	19.0
8/86	.0	.0	.0	.0	.0	.0	.0	1.7	5.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	.0	20.4
9/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	6.9		7.9	.0	23.9
10/86	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	.0	5.1
11/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
12/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0
3/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
5/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4	13.6	5.7	.0	.0	.0	.0		13.6	.0	53.0
7/87	.0	.0	.0	.0	.0	5.7	13.2	14.5	8.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.2	.0	82.1
8/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9/87	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.1	.0	1.1
10/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/87	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.1	.0	1.5

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: SOUTH UVALDE

\DAY MONTH\	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
10/85	.9	.5	.4	.4	.5	.5	.5	.4	.4	.4	1.1	.4	1.6	.7	.4	.4	.4	.4	.5	.5	.5	.6	.6	.4	.4	.4	.4	.4	.4	.5	2.0	42.0	.4	37.4
11/85	.6	.5	.5	.5	.5	.5	.5	.5	1.5	.6	.7	.5	.5	.4	1.4	.6	.5	.5	.6	.6	.5	.4	.4	.5	.8	.4	.4	.4	.4	.4		8.4	.4	34.2
12/85	.4	.5	.6	.5	.5	.6	.5	.5	.5	.4	.4	.4	.4	.4	.5	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	1.2	.4	27.0
1/86	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.5	.4	.4	.4	.4	1.2	.4	24.9
2/86	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4				.4	.4	22.2
3/86	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.5	1.3	.6	.9	.8	.4	.4	.4	.4	.4	.5	.5	.5	.5	.5	.4	8.4	.4	29.8
4/86	.4	6.5	1.0	25.0	11.2	4.0	2.4	1.6	1.0	1.1	1.1	.8	.5	.6	.6	.7	4.0	.8	.7	1.7	1.0	.6	.7	.6	.6	.9	.5	.6	.6	.6		121.0	.2	147.2
5/86	.6	.6	.7	.7	.8	.8	.7	2.0	.7	.6	.7	.6	.7	.7	2.2	5.3	.6	.6	.6	.7	.7	.6	.6	.6	.7	.7	.7	.8	.9	.8	.7	52.0	.4	56.8
6/86	.8	1.1	.6	.7	.7	.8	.7	1.0	.7	6.0	.7	.7	.7	.7	.8	1.0	.8	.8	.8	.9	.9	.9	.8	.8	.8	.8	.9	.8	.9	.8		8.4	.5	50.3
7/86	.9	1.1	1.2	1.3	1.8	.8	.8	.8	.8	.9	.8	.7	.8	.8	.9	1.1	8.3	1.3	.7	3.2	.8	.9	.6	.7	.6	.5	.6	.8	.8	.8	.8	181.0	.4	73.3
8/86	.8	14.9	1.6	1.0	.8	.8	.8	.8	.8	.8	.8	.7	.8	.7	.8	.8	.7	.8	.7	.7	.7	1.0	.6	.7	.6	.5	.5	.5	.7	.5	.5	202.0	.4	75.4
9/86	.6	.7	.6	.6	.7	.6	.8	.7	.5	.5	.5	.6	.4	.4	.6	.5	.5	.5	.6	.5	.5	.6	.5	.7	.6	.6	.5	.5	.6	.8		2.8	.4	34.8
10/86	.8	.8	1.3	.8	.8	.7	.6	.6	.7	3.5	1.4	.6	.7	.5	.4	.4	.4	.4	.4	.7	.5	.5	1.7	.5	.5	.5	.5	.6	.5	.5	1.7	52.0	.4	49.0
11/86	1.5	.5	.5	.5	.4	.4	1.6	.4	.4	.4	.4	.4	.4	.3	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.4	.5		7.6	.3	27.1
12/86	1.1	.5	.4	.3	.4	.3	.5	.4	.4	.4	.4	.4	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	4.7	.3	22.6
1/87	.3	.3	.3	.3	.4	.4	.4	.4	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.4	.4	.4	.4	.3	20.0
2/87	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.4	.4	.4	.4	.3	.3	.3	.3	.3	.3				.4	.3	18.2
3/87	.3	.4	.4	.8	.8	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.0	1.0	1.0	1.0	1.0	1.0	.8	.8	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	1.2	.3	46.8
4/87	.6	.8	.4	.3	.4	.4	.4	.4	.4	.4	.4	2.5	.7	.5	.5	.5	.6	.6	.6	1.5	.3	.4	.4	.4	.4	.4	.4	.4	.5	.5		6.8	.0	33.9
5/87	1.4	4.6	8.7	.7	.7	.4	.4	.6	.4	.4	.5	.8	.6	.4	.5	.5	.6	.5	.6	2.0	11.1	.6	5.2	1.6	.7	.4	.5	.4	.4	.8	.7	67.0	.4	94.0
6/87	.4	.3	.3	.3	.4	.2	.4	9.2	9.4	.6	.5	.5	.5	.5	.6	.8	.8	4.8	1.0	.5	.5	.4	.4	.4	.5	.5	.4	.9	8.5	.7		128.0	.3	90.3
7/87	.4	.4	.4	.4	.4	.5	.5	.5	.7	.7	.6	1.5	.5	.6	.7	.7	.7	.6	.6	.7	.7	.8	1.1	4.5	.7	.8	.8	.8	1.0	.8	.9	118.0	.3	48.9
8/87	.7	.7	.8	.8	.8	.9	.8	.8	.8	.8	1.0	1.2	1.2	1.0	1.0	.8	.7	.7	.8	.8	1.3	38.3	4.1	1.0	1.1	1.4	.8	.7	.6	.6	.7	118.0	.0	134.4
9/87	.8	.8	.8	1.7	.3	.3	.6	8	.9	.8	.8	.8	.8	5.7	3.7	.3	2.6	.4	.4	.3	.6	.8	.8	.8	.8	.8	.8	.8	.8	.8		110.8	.2	61.8
10/87	.8	.8	.8	.8	.9	1.0	1.0	1.0	1.0	1.0	.8	.7	2.3	4.9	.6	.8	.8	.5	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	3.7	1.4	110.0	.3	59.2
11/87	.3	.3	.3	.3	.3	.4	.4	1.0	.4	.3	.3	.3	.3	.4	1.1	1.2	1.0	.7	.5	.5	.4	.4	.4	.4	.4	.6	.8	.6	.4	.3		2.0	.2	29.3

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: NORTH UVALDA

MONTH \ DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
10/85	.5	.3	.3	.3	.3	.4	.3	.3	.3	.3	.5	.3	.7	.4	.3	.3	.3	.5	.4	.4	.4	.5	.8	.4	.4	.4	.4	.5	.5	.6	1.1	3.8	.2	25.9
11/85	.5	.4	.4	.4	.4	.4	.4	.4	.8	.6	.5	.4	.4	.4	.7	.6	.4	.4	.9	1.5	1.5	1.3	1.5	2.0	3.6	1.8	1.0	.9	1.1	1.1		5.0	.4	54.2
12/85	2.4	2.9	2.9	1.1	2.0	2.0	.4	.4	.4	.5	.9	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.3	.3	.3	.3	.3	3.3	.3	45.1
1/86	.3	.3	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.3	.4	.3	22.6
2/86	.3	.3	.3	.3	.3	.3	.4	.4	.4	.4	.4	.4	.4	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.4	.4	.4	.4	.3				.4	.3	17.5
3/86	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.4	.3	.3	.3	.3	.3	.5	.3	.5	.5	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.9	.3	17.6
4/86	.3	.7	1.0	2.8	2.1	.9	1.3	1.4	1.4	1.1	1.1	.8	.6	.6	.6	.6	1.4	.8	.6	.6	1.1	.6	.5	.4	.4	.5	.4	.5	.5	.5		15.8	.0	51.7
5/86	.5	.5	.4	.5	.5	.4	.4	1.3	.6	.5	.4	.4	.4	.4	1.4	3.6	.5	.4	.4	.4	.4	.3	.3	.3	.3	.3	.3	.3	.4	.4	.3	12.3	.1	34.0
6/86	.3	.5	.3	.4	.3	.3	.3	.3	.3	2.2	.3	.2	.2	.2	.2	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2		14.6	.2	18.7
7/86	.2	.3	.3	.4	.7	.3	.3	.3	.4	.4	.3	.3	.3	2.9	12.8	12.1	12.8	7.6	7.9	15.8	6.5	.8	.5	.4	.4	.4	.4	.4	.4	.4	.4	38.0	.2	171.4
8/86	.3	4.3	.5	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.3	.3	.4	.3	.3	.2	.2	.2	.9	.3	.2	.2	.2	.2	.2	.3	.2	.2	30.5	.1	27.1
9/86	.2	3.2	14.8	12.8	13.5	13.6	14.7	14.5	8.4	.5	.4	.4	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.4		24.0	.2	202.4
10/86	.4	.4	.8	.5	.4	.4	.3	.3	.4	1.1	1.2	.3	.4	.3	.3	.3	.3	.3	.3	.4	.2	.2	.9	.3	.3	.3	.3	.2	.2	.3	1.2	10.2	.2	25.8
11/86	1.4	.3	.2	.3	.2	.2	.8	.2	.2	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.3		5.0	.1	16.7
12/86	.7	.3	.3	.3	.3	.2	.3	.3	.3	.3	.3	.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	2.9	.2	14.4
1/87	.2	2	.2	.2	.3	.3	.3	.3	.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2	.3	.1	11.3
2/87	.2	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.1	.1				.2	.1	8.9
3/87	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	7.5
4/87	.1	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.4	.2	.1	.1	.1	.1	.1	.1	.6	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1		5.6	.1	10.5
5/87	.7	2.2	3.7	.3	.4	.2	.2	.2	.2	.2	.2	.4	.2	.1	.1	.1	.2	.1	.1	1.5	3.9	.2	2.0	1.0	.2	.2	.2	.2	.2	.5	.2	20.0	.0	39.6
6/87	.2	.2	.2	.2	.2	.2	.2	2.9	3.6	.2	.2	.2	.2	.2	.2	.2	.3	2.4	9.9	7.4	8.1	12.0	11.7	12.5	8.2	12.4	12.6	14.9	26.8	6.6		55.0	.1	306.0
7/87	.3	.2	.2	.1	.1	.1	.1	.1	.5	.3	.2	1.2	.2	.1	.2	.2	.1	4.2	10.0	12.4	12.2	12.1	5.2	2.5	.2	.2	.2	.2	.1	.1	.1	24.9	.1	126.6
8/87	.1	.0	.0	.1	.1	.1	.1	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	4.7	6.1	16.7	6.1	.4	.4	.8	.2	.1	.0	.1	.1	49.0	.0	75.2
9/87	.1	1	.1	.8	.1	.1	.1	.1	.1	.1	.0	.1	.0	3.0	.9	.1	1.4	.1	.0	.1	.1	.0	.1	.1	.1	.1	.1	.1	.1	.1		32.0	.0	16.3
10/87	.1	.1	.1	.1	.1	.1	.1	.0	.1	.1	.1	.2	1.0	4.3	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.5	.3	27.0	.0	20.3
11/87	.0	.0	.0	.0	.0	.1	.2	.6	.1	.1	.1	.1	.1	.6	.0	.8	.6	.2	.2	.1	.1	.1	.1	.1	.1	.3	.4	.3	.1	.2		8.4	.0	12.9

DAILY STREAM DISCHARGE SUMMARY (CFS)

STATION: HIGHLINE LATERAL

\DAY MONTH\	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
10/85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
12/85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0
3/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
5/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
7/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	10.4	10.0	11.0	7.9	9.7	13.5	6.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.1	.0	145.1
8/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9/86	.0	2.2	11.1	11.5	12.5	12.5	12.5	12.5	7.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		12.8	.0	162.7
10/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
12/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0
3/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
5/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	10.4	9.7	10.1	11.4	11.4	11.8	9.0	11.6	11.0	11.4	11.2	10.9		14.4	.0	262.6
7/87	8.1	11.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	9.6	11.0	10.7	11.0	8.4	.3	.0	.0	.0	.0	.0	.0	.0	12.8	.0	148.4
8/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	6.8	7.9	6.2	.0	.0	.0	.0	.0	.0	.0	.0	10.4	.0	51.1
9/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
10/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: SOUTH FIRST CREEK

\DAY MONTH\	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
10/85	1.5	1.2	1.1	.8	1.0	1.1	1.0	.7	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.5	1.6	3.1	.7	68.1
11/85	1.6	1.5	1.5	1.4	1.5	1.4	1.5	1.5	1.6	1.4	1.5	1.5	1.5	1.3	1.4	1.4	1.5	1.8	3.4	2.9	1.5	1.3	1.3	1.4	1.6	1.5	1.5	1.4	1.2	.9		10.4	.4	92.7
12/85	.3	.7	1.1	1.3	1.6	1.9	2.2	2.4	2.0	1.0	1.1	1.1	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.0	2.0	2.0	2.0	2.0	3.7	.2	116.3
1/86	2.0	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.1	1.1	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.8	2.6	.7	99.6
2/86	2.6	2.6	2.6	2.6	2.6	2.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.1				2.6	1.1	103.0
3/86	1.1	1.1	1.1	1.1	1.1	1.1	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.5	1.4	1.5	1.4	1.1	1.1	.9	.7	.7	.7	.7	.7	.7	.7	2.3	.7	65.0
4/86	.7	1.1	2.1	39.2	41.0	11.2	6.0	3.3	3.3	3.1	2.7	2.6	2.3	2.0	2.0	2.0	2.3	2.0	2.0	1.7	2.0	2.0	2.0	2.0	2.0	2.1	2.0	1.8	1.5	1.5		117.9	.7	301.4
5/86	1.5	1.5	1.5	1.5	1.4	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.7	3.9	2.1	1.5	1.5	1.5	1.4	1.3	1.2	1.1	1.2	1.5	1.5	1.6	1.9	1.9	1.6	10.1	1.1	98.4
6/86	1.5	1.5	1.3	1.1	1.3	1.1	1.0	1.0	1.4	2.6	1.4	1.0	.9	.9	.9	.7	.6	.7	.6	.8	.8	.5	.4	.2	.2	.2	.1	[illegible]	.0	.1		4.7	.0	49.2
7/86	.2	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.1	.1	.3	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	1.5	.0	3.9
8/86	.0	.1	1.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	4.3	.0	6.7
9/86	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.2	.3	.2	.2	.9	.4	.2	.2		2.9	.0	7.6
10/86	.2	.2	.4	.5	.3	.2	.2	.2	.2	.3	.5	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.5	.7	.7	.7	.7	.7	.7	.7	.7	1.0	1.5	.2	29.2
11/86	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	.9	1.1	.9	.9	1.1	1.1	1.1	.9	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.8		1.0	.4	53.7
12/86	.7	.9	.7	.7	.7	.0	.7	.9	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.5	.5	67.4
1/87	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.6	3.3	4.1	5.0	5.0	4.1	4.1	3.3	2.6	2.6	2.0	2.0	2.0	1.5	1.5	1.5	1.1	5.0	1.1	139.0
2/87	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5				1.5	1.1	70.0
3/87	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.8	1.1	82.9
4/87	1.5	1.6	1.5	1.3	1.5	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.6	1.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	.9	.7	.8	.7	.8		2.6	.5	60.0
5/87	.8	1.3	3.5	2.4	1.7	1.5	1.4	1.1	1.1	1.1	.8	1.2	2.4	1.1	.9	.8	3.1	3.2	1.5	1.0	3.7	5.3	10.1	36.3	5.0	2.7	2.0	1.8	1.5	1.5	1.5	207.2	.5	224.2
6/87	1.3	1.4	1.1	1.3	1.1	.9	1.0	2.1	71.0	8.8	3.7	2.6	2.3	1.0	1.4	1.1	.9	3.0	1.3	.9	.8	.7	.7	1.1	.7	.4	.3	.4	2.7	2.3		379.1	.1	239.3
7/87	1.4	2.7	1.3	1.1	1.1	.6	.3	.2	.1	.0	.0	.9	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	5.6	.0	21.6
8/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.2	1.1	.6	.1	.0	.0	.4	2.1	.0	6.3
9/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2		.2	.0	4.4
10/87	.2	.2	.2	.2	.2	.2	.3	.4	.2	.3	.4	.4	.6	1.6	.8	.7	.7	.7	.5	.4	.4	.4	.4	.4	.4	.6	.7	.7	.7	1.1	1.0	5.0	.2	34.0
11/87	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.1	1.1	1.1	1.1	1.1	1.2	1.0	2.0	3.2	3.0	4.0	1.9	1.5	1.5	1.4	1.1	1.1	1.0	1.4	2.6	2.1	1.9		12.4	.7	93.5

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: NORTH FIRST CREEK

\DAY MONTH\	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
10/85	2.4	1.3	.9	.5	.5	.5	.5	.5	.5	.5	.7	1.1	.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4	1.3	1.3	1.3	1.5	2.1	3.4	.5	65.0
11/85	2.3	2.1	1.8	1.5	1.5	1.5	1.5	1.8	2.1	3.6	2.3	2.8	3.4	5.1	4.4	6.4	5.4	4.4	4.0	3.1	3.3	3.2	3.0	3.1	3.4	4.1	4.1	4.3	4.4	3.9		13.5	1.1	193.0
12/85	3.0	4.0	2.9	1.7	.9	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	1.5	2.8	4.1	6.2	6.2	5.0	5.0	4.1	3.4	3.4	2.8	2.8	2.8	6.2	.0	127.5
1/86	2.8	4.1	4.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.1	3.4	2.0	2.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	5.0	1.5	195.3
2/86	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.1				2.1	1.5	87.2
3/86	2.1	2.1	2.1	1.2	.5	.5	.8	1.1	1.1	.5	.9	1.1	1.1	.8	.7	.6	1.1	1.2	1.0	1.1	1.1	1.1	1.1	1.1	1.1	.9	1.1	.7	.5	.5	.5	2.1	.5	61.8
4/86	.5	.8	9.4	15.9	7.0	9.4	10.2	6.3	7.5	6.4	5.0	4.7	3.8	3.4	3.4	2.8	3.2	3.0	2.8	2.8	2.8	2.8	2.8	2.7	2.1	2.2	2.1	2.1	2.1	1.7		21.5	.5	262.9
5/86	1.5	1.5	1.5	1.5	1.1	1.1	1.1	1.3	1.5	1.2	1.1	1.1	1.1	.9	1.2	4.5	2.7	1.0	1.3	1.1	.9	.5	.3	.2	.1	.1	.4	.5	.5	.6	.6	6.2	.1	69.5
6/86	.5	.5	.5	.2	.2	.3	.1	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		2.8	.0	5.4
7/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
10/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
12/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	1.1	1.1	1.1	1.1	.0	20.4
2/87	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	1.5	1.5	2.1	2.1	2.8				2.8	.5	55.9
3/87	2.8	2.8	2.8	2.1	2.1	1.5	1.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.1	2.1	2.1	2.1	2.0	2.8	1.1	99.2
4/87	1.6	1.5	1.5	1.5	1.1	1.1	1.1	1.1	1.1	.9	.5	1.1	2.1	1.6	1.5	1.2	1.1	1.1	1.0	1.1	1.1	1.1	1.1	.9	.5	.5	.5	.5	.5	.5		2.1	.5	63.7
5/87	.5	.6	2.5	4.1	2.5	2.1	1.8	1.4	1.1	.9	.5	.5	1.6	1.5	.8	.1	.1	8.9	5.7	5.0	5.5	11.2	9.9	31.2	10.4	4.6	1.9	.8	.2	.4	.7	49.0	.1	235.9
6/87	.9	3.4	2.7	1.9	1.4	.7	.1	.0	80.9	10.5	4.3	3.1	2.3	1.0	1.3	.9	.4	1.7	2.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0		213.0	.0	257.5
7/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1
8/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
10/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0

DAILY STREAM DISCHARGE SUMMARY (CFS)

STATION: SOUTH PLATTS DITCH

\DAY MONTH\	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
10/85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
12/85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0
3/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
5/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
7/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
10/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
12/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0
3/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
5/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
7/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
10/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: BASIN A

\DAY MONTH\	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
10/85	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	1.92	.00	.58
11/85	.01	.01	.01	.01	.01	.01	.01	.01	.03	.02	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.02	.00	.00	.00	.00	.00		.28	.00	.56
12/85	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.09
1/86	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00	.00	.09
2/86	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00	.00	.00
3/86	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.00	.14
4/86	.00	.00	.46	.22	.31	.29	.16	.10	.09	.04	.03	.02	.02	.02	.02	.02	.06	.02	.02	.03	.03	.02	.02	.02	.01	.01	.01	.01	.01	.01		1.01	.00	4.31
5/86	.01	.01	.01	.01	.02	.02	.02	.00	.02	.01	.01	.01	.01	.01	.02	.13	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	2.49	.00	1 04
6/86	.02	.01	.01	.01	.01	.01	.01	.01	.07	.12	.01	.01	.01	.01	.01	.01	.03	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01		3.01	.00	.91
7/86	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.11	.01	.01	.03	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	5.63	.00	.77
8/86	.00	.05	.00	.00	.00	.01	.01	.21	.01	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.01	.00	.00	.00	.00	.00	3.75	.00	.84
9/86	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00		.70	.00	.19
10/86	.00	.00	.02	.00	.00	.00	.00	.00	.00	.04	.02	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	.09	.02	.00	.00	.00	.00	.00	.01	.00	.06	.79	.00	.79
11/86	.09	.01	.01	.01	.01	.01	.04	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01	.02	.01	.01	.01	.01		.36	.00	.67
12/86	.02	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	.18
1/87	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09
2/87	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00	.00	.08
3/87	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
4/87	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.05	.01	.01	.01	.01	.01	.01	.01	.03	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01		.18	.00	.42
5/87	.01	.05	.22	.02	.02	.01	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.14	.01	.33	.15	.02	.01	.01	.01	.01	.01	.01	4.50	.00	2.19
6/87	.01	.01	.01	.01	.01	.01	.01	.22	.04	.02	.32	.02	.02	.02	.02	.01	.01	.03	.01	.01	.02	.02	.01	.01	.01	.01	.01	.05	.18	.03		4.33	.01	1.68
7/87	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.04	.01	.01	.01	.01	.01	.01	.01	.01	.01	.91	.01	.04	.01	.01	.01	.01	.02	.01	.01	.96	.00	.69
8/87	.01	.01	.01	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.01	.00	.22	.05	.02	.03	.03	.01	.01	.01	.01	.01	1.43	.00	1.06
9/87	.01	.01	.01	.14	.01	.01	.01	.01	.01	.01	.01	.01	.01	.78	.03	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00		3.83	.00	2 30
10/87	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.04	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.06	.01	1.34	.00	.65
11/87	.00	.00	.00	.00	.00	.00	.02	.01	.01	.01	.01	.01	.01	.03	.04	.05	.03	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01		.26	.00	.74

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: FIRST CR. OFF POST

\DAY MONTH\	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
7/86	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.06	.60	.76
8/86	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9/86	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00
10/86	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.00	.02
11/86	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.02	.03	.03	.02	.01	.02	.01	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03		.10	.01	1.09
12/86	.03	.03	.03	.03	.03	.03	.03	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.03	3.27
1/87	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.10	.15	.21	.28	.36	.36	.06	5.28
2/87	.56	.82	.68	.56	.46	.36	.28	.28	.28	.28	.36	.46	.56	.68	.82	.82	.68	.56	.56	.46	.46	.36	.36	.36	.46	.46	.56	.56				.82	.28	27.97
3/87	.68	.68	.68	.68	.68	.82	.82	.82	.82	.82	.82	.97	.97	1.13	1.13	1.13	1.13	1.13	1.13	.97	.97	.97	.97	.97	.82	.82	.68	.68	.56	.56	.68	1.13	.56	52.94
4/87	.82	.97	1.13	1.13	1.13	.97	.79	.82	.91	.75	.68	.99	1.69	1.49	1.23	1.04	.90	.82	.70	.81	.97	.84	.82	.65	.56	.47	.46	.46	.46	.46		2.16	.46	51.45
5/87	.46	.54	1.71	4.10	2.91	2.17	1.76	1.38	1.09	.93	.67	.54	.61	1.59	.79	.42	.31	2.60	3.16	1.84	2.02	4.35	5.82	11.57	10.49	3.95	3.92	2.91	2.31	1.95	1.60	16.80	.28	159.21
6/87	1.32	.90	.76	.64	.56	.33	.14	.12	10.93	15.67	7.13	4.24	2.76	1.89	1.30	.86	.51	.46	2.60	.58	.25	.09	.08	.07	.07	.07	.07	.07	.15	.03		23.19	.06	109.97
7/87	.82	.21	.48	.15	.09	.07	.06	.07	.06	.06	.06	.09	.07	.06	.05	.04	.03	.03	.03	.02	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	1.30	.00	5.16
8/87	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.09	.00	.00	.00	.00	.36	.00	.32
9/87	.00	.00	.00	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.01	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.10	.00	.21
10/87	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.09	.03	.03	.03	.03	.02	.01	.01	.01	.01	.02	.03	.02	.01	.01	.01	.00	.01	.02	.00	.92
11/87	.01	.01	.01	.01	.01	.02	.01	.01	.02	.03	.03	.03	.03	.03	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03	.03	.03		.10	.01	1.53

C:\EPRHA>

WATER QUALITY DATA FOR RMA SURFACE WATER SAMPLING SITES 1ST QUARTER FY1986-
4TH QUARTER FY1987

DSW

PARAMETER:					SAM TYPE	S TECH	INSTAL	DEPTH	SITE TYPE	ARSENIC	K	CADMIUM	CR	COPPER	LEAD	ZINC	CA	MG
UNITS:							SAMPLE	CM		UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4-SW	8	01-001	01/02/86	08:50	SW	G	NK	0.0	DTCH									
T4SW2	7	01-001	07/02/86	11:30	SW	G	NK	0.0	DTCH									
T4SW3	1	01-001	09/03/86	09:51	SW	G	NK	0.0	DTCH									
T44SW3	1	01-001	05/19/87	14:00	SW	G	NK	0.0	DTCH	2.50	4430	NA	NA	NA	NA	NA	NA	NA
T44SW4	1	01-001	10/30/87	08:19	SW	G	NK	0.0	DTCH	<3.07	4060	<5.16	<5.96	<7.94	<10.6	<20.1	79700	24600
T4-SW	1	01-002	01/02/86	11:12	SW	G	NK	0.0	DTCH									
T4SW2	1	01-002	07/02/86	08:50	SW	G	NK	0.0	DTCH									
T4SW3	2	01-002	09/03/86	08:47	SW	G	NK	0.0	DTCH									
T44SW3	2	01-002	05/20/87	10:21	SW	G	NK	0.0	POND	11.5	15300	<5.16	<5.96	<7.94	<10.6	40.0	204000	54600
T4SW3	34	01-003	08/12/86	14:32	SW	G	NK	0.0	DTCH									
T44SW4	34	01-004	10/26/87	13:50	SW	G	NK	0.0	LAKE	<3.07	4740	<5.16	<5.96	<7.94	<10.6	<20.1	20100	12700
OFQ1W	72	01CDD	12/14/85	09:15	SW	G	NK	0.0	RVER									
OPSW	1	01CDD	04/07/86	09:30	SW	G	NK	0.0	RVER	<3.90	2090	<5.20	<6.00	<7.90	<10.5	44.3	82600	12000
OPSW2	1	01CDD	06/12/86	13:30	SW	G	NK	0.0	RVER	8.15	13000	<5.16	7.76	<7.94	<10.6	26.5	139000	18500
OPS3	1	01CDD	09/04/86	09:20	SW	G	NK	0.0	RVER	<4.00	5400	<5.20	<6.00	<7.90	<10.5	<20.1	81900	16000
T440S1	1	01CDD	12/16/86	12:50	SW	G	NK	0.0	RVER	33.4	7230	<5.16	<11.9	<7.94	<10.6	65.2	84400	14900
T440S2	1	01CDD	03/26/87	13:30	SW	G	NK	0.0	RVER	<2.50	10200	<5.16	10.1	10.7	<10.6	49.1	110000	22300
T440S3	1	01CDD	06/16/87	11:04	SW	G	NK	0.0	RVER	<3.07	5010	<5.16	<5.96	<7.94	<10.6	38.4	55300	12300
T440S4	1	01CDD	10/16/87	10:41	SW	G	NK	0.0	RVER	<3.07	9330	<5.16	16.3	<7.94	<10.6	39.0	89400	17700
OPSW	2	01DCC	04/07/86	08:30	SW	G	NK	0.0	DTCH	<3.90	3550	<5.20	<6.00	<7.90	<10.5	37.9	65500	11800
OPSW2	2	01DCC	06/12/86	13:00	SW	G	NK	0.0	DTCH	<3.90	12500	<5.16	<5.96	<7.94	<10.6	46.2	80300	11700
OPS3	2	01DCC	09/04/86	08:50	SW	G	NK	0.0	DTCH	<4.00	3670	<5.20	<6.00	<7.90	<10.5	23.0	55200	12400
T440S1	2	01DCC	12/16/86	12:20	SW	G	NK	0.0	DTCH	<3.90	4150	<5.16	<11.9	<7.94	<10.6	39.7	78000	14900
T440S2	2	01DCC	03/26/87	12:30	SW	G	NK	0.0	DTCH	2.90	5080	<5.16	<5.96	<7.94	<10.6	40.7	72500	15100
T440S3	2	01DCC	06/16/87	10:30	SW	G	NK	0.0	DTCH	<3.07	1870	<5.16	<5.96	<7.94	<10.6	39.5	27300	7220
T440S4	2	01DCC	10/16/87	09:45	SW	G	NK	0.0	DTCH	<3.07	4660	<5.16	16.3	<7.94	<10.6	60.3	82700	16600
T4-SW	2	02-001	12/12/85	13:30	SW	G	NK	0.0	LAKE									
T4SW2	3	02-001	07/02/86	12:00	SW	G	NK	0.0	LAKE									
T4SW3	3	02-001	09/03/86	13:11	SW	G	NK	0.0	LAKE									
T44SW3	3	02-001	05/20/87	11:17	SW	G	NK	0.0	DTCH	<2.50	4050	<5.16	<5.96	<7.94	<10.6	<20.1	40400	15400
T44SW4	3	02-001	10/29/87	11:52	SW	G	NK	0.0	DTCH	<3.07	3710	<5.16	<5.96	<7.94	<10.6	<20.1	43600	14400
T44SW3	5	02-003	06/30/87	13:08	SW	G	NK	0.0	DTCH	<3.07	1670	<5.16	<5.96	<7.94	<10.6	50.9	15200	2250
T4-SW	41	02-004	01/02/86	10:20	SW	G	NK	0.0	DTCH									
T4SW2	4	02-004	07/02/86	08:50	SW	G	NK	0.0	DTCH									
T4SW3	38	02-004	09/03/86	13:31	SW	G	NK	0.0	DTCH									
T44SW3	36	02-004	05/27/87	07:42	SW	G	NK	0.0	DTCH	10.5	3620	<5.16	<5.96	<7.94	<10.6	23.7	30100	16000
T4SW3	37	02-005	09/03/86	12:47	SW	G	NK	0.0	DTCH									
T44SW3	38	02-005	05/27/87	14:11	SW	G	NK	0.0	DTCH	15.9	3350	<5.16	<5.96	<7.94	<10.6	50.7	36400	15200
T44SW4	37	02-005	10/29/87	13:15	SW	G	NK	0.0	DTCH	<3.07	4290	<5.16	<5.96	<7.94	<10.6	<20.1	25500	16600
T44SW3	4	02-006	06/30/87	13:57	SW	G	NK	0.0	DTCH	<3.07	<1260	<5.16	<5.96	<7.94	<10.6	94.2	15100	3910
T44SW4	39	02-007	10/26/87	13:21	SW	G	NK	0.0	LAKE	<3.07	3940	<5.16	<5.96	<7.94	<10.6	<20.1	26900	10000
T44SW4	40	02-008	10/26/87	12:51	SW	G	NK	0.0	LAKE	<3.07	3600	<5.16	<5.96	<7.94	<10.6	70.9	18000	13500
T44SW3	6	03-002	06/30/87	10:05	SW	G	NK	0.0	DTCH	<3.07	3040	<5.16	<5.96	<7.94	<10.6	46.6	29700	16300
T4-SW	35	05-001	12/20/85	09:35	SW	G	NK	0.0	STRM									
T4SW2	10	05-001	07/01/86	12:15	SW	G	NK	0.0	STRM									
T44SW3	35	05-001	05/15/87	13:25	SW	G	NK	0.0	CREK	3.79	6390	<5.16	<5.96	<7.94	<10.6	<20.1	96100	22000
T44SW4	42	05-001	10/29/87	08:51	SW	G	NK	0.0	DTCH	<3.07	4510	<5.16	<5.96	<7.94	<10.6	<20.1	98000	22300
OPS3	6	06CBB	09/04/86	11:50	SW	G	NK	0.0	DTCH	<4.00	3730	<5.20	<6.00	<7.90	<10.5	<20.1	46000	11600
T440S3	6	06CBB	06/16/87	13:17	SW	G	NK	0.0	DTCH	<3.07	2160	<5.16	<5.96	<7.94	<10.6	26.1	32300	7586
T440S4	6	06CBB	10/12/87	13:20	SW	G	NK	0.0	DTCH	<3.07	4660	<5.16	11.5	<7.94	<10.6	<20.1	95500	21200

ENVIRONMENTAL SCIENCE AND ENGINEERING, INC. DATE:05/19/88 PAGE 2

RISW

PARAMETER:					NA	MERCURY	DBCP	DCPD	MIBK	HCCPD	P,P'-DDT	P,P'-DDE	ALDRIN	DIELDRIN	ENDRIN	ISODRIN	CHLORDANE	DIMP
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4-SW	8	01-001	01/02/86	08:58			<0.130	<9.31	<13.0	<0.070	<0.070	<0.050	<0.070	<0.060	<0.050	<0.060		<10.0
T4SW2	7	01-001	07/02/86	11:30			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	1	01-001	09/03/86	09:51			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	1	01-001	05/19/87	14:00	NA	<0.359	<0.130	<21.6	<12.9	<0.083	<0.059	<0.046	<0.110	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	1	01-001	10/30/87	08:19	86300	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.010	<0.060	<0.052	<0.060		<10.5
T4-SW	1	01-002	01/02/86	11:12			<0.130	20.7	<13.0	<0.070	<0.070	<0.050	<0.070	0.100	<0.050	<0.060		<10.0
T4SW2	1	01-002	07/02/86	08:50			0.336	<9.31	<12.9	0.308	<0.359	<0.265	0.530	0.699	<0.260	<0.300		<10.5
T4SW3	2	01-002	09/03/86	08:47			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.700	0.913	<0.052	<0.060		<10.5
T44SW3	2	01-002	05/20/87	10:21	107000	<0.359	1.08	<16.2	<12.9	<0.083	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T4SW3	34	01-003	08/12/86	14:32			0.285	<9.31	<12.9	<0.070	<0.070	<0.053	0.090	2.23	0.081	<0.060		<10.5
T44SW4	34	01-004	10/26/87	13:50	46600	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OFQ1R	72	01CDD	12/14/85	09:15			<0.130	<9.31					<0.070	<0.060	<0.050	<0.060		13.0
OPSW	1	01CDD	04/07/86	09:30	82200	<0.240	<0.130	<9.31	<12.9	<0.070	<0.053	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPSW2	1	01CDD	06/12/86	13:30	121000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPS3	1	01CDD	09/04/86	09:20	81000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S1	1	01CDD	12/16/86	12:50	140000	<0.500	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S2	1	01CDD	03/26/87	13:30	159000	<0.359	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S3	1	01CDD	06/16/87	11:04	67200	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S4	1	01CDD	10/16/87	10:41	143000	<0.240		<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPSW	2	01DCC	04/07/86	08:30	66200	<0.240	<0.130	<9.31	<12.9	<0.070	<0.053	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPSW2	2	01DCC	06/12/86	13:00	71400	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPS3	2	01DCC	09/04/86	08:50	39100	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S1	2	01DCC	12/16/86	12:20	94700	<0.500	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S2	2	01DCC	03/26/87	12:30	67000	<0.359	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S3	2	01DCC	06/16/87	10:30	20900	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S4	2	01DCC	10/16/87	09:45	77100	<0.240		<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	2	02-001	12/12/85	13:30			<0.130	<9.31	<13.0	NA	<0.070	<0.050	<0.070	<0.060	<0.050	<0.060		<10.0
T4SW2	3	02-001	07/02/86	12:00			NA	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	3	02-001	09/03/86	13:11			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	3	02-001	05/20/87	11:17	67200	<0.359	<0.130	<16.2	<12.9	<0.083	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	3	02-001	10/29/87	11:52	51700	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	5	02-003	06/30/87	13:00	4760	<0.400	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	41	02-004	01/02/86	10:28			<0.130	<9.31	<13.0	<0.070	<0.070	<0.050	<0.070	<0.060	<0.050	<0.060		<10.0
T4SW2	4	02-004	07/02/86	08:50			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	38	02-004	09/03/86	13:31			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	36	02-004	05/27/87	07:42	103000	<0.359	<0.130	<9.31	<12.9	<0.083	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T4SW3	37	02-005	09/03/86	12:47			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	0.710	0.903	<0.052	<0.060		<10.5
T44SW3	39	02-005	05/27/87	14:11	79900	<0.359	<0.130	<9.31	<12.9	<0.083	<0.059	<0.046	3.22	12.3	4.44	<0.056	<0.152	<10.5
T44SW4	37	02-005	10/29/87	13:15	81800	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	0.359	0.739	<0.052	<0.060		<10.5
T44SW3	4	02-006	06/30/87	13:57	12000	<0.400	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	0.166	1.13	0.113	<0.060		<10.5
T44SW4	35	02-007	10/26/87	13:21	81650	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW4	40	02-009	10/26/87	12:51	94900	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	6	03-002	06/30/87	10:05	80100	<0.400	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	35	05-001	12/20/85	09:35			<0.130	<9.31	<13.0	NA	<0.050	<0.050	<0.070	<0.060	<0.050	<0.060		<10.0
T4SW2	10	05-001	07/01/86	12:15			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	35	05-001	05/15/87	13:25	76700	<0.359	<0.130	<9.31	<12.9	<0.170	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	42	05-001	10/29/87	08:51	60000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPS3	6	06CDD	09/04/86	11:50	33900	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S3	6	06CDD	06/16/87	13:17	23900	<0.240	<0.130	<9	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		
T440S4	6	05CDD	10/12/87	13:20	112000	<0.240	<0.130	[illegible]	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		

ENVIRONMENTAL SCIENCE AND ENGINEERING, INC   DATE 05/19/88 PAGE 3

RESW

PARAMETER UNITS FLD GRP	#	SAMPLE ID	DATE	TIME	DIMP UG/L	DTZ UG/L	DMDS UG/L	CPMSO2 UG/L	CPMSO UG/L	CPMS UG/L	1,4-DITH UG/L	1,4-OXAT UG/L	TOLUEN UG/L	BENZENE UG/L	ETHYLBENZ UG/L	M-XYL UG/L	O&P-XYL UG/L	CL UG/L
T4-SW	0	01-001	01/02/86	08:50	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	61200
T4SW2	7	01-001	07/02/86	11:30	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	33000
T4SW3	1	01-001	09/03/86	09:51	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	43000
T44SW3	1	01-001	05/19/87	14:00	<15.2	<1.14	<1.16	<2.24	<1.98	<1.00	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	46400
T44SW4	1	01-001	10/20/87	08:19	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	50200
T4-SW	1	01-002	01/02/86	11:12	<15.2			120	56.0	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	106000
T4SW2	1	01-002	07/02/86	08:50	<15.2		<1.00	85.0	7.22	2.19	<1.10	<2.00	8.37	1.98	<1.28	<1.35	<2.47	174000
T4SW3	2	01-002	09/03/86	08:47	<15.2		<1.00	298	<4.20	<1.30	<1.10	<2.00	1.51	<1.34	<1.28	<1.35	<2.47	523000
T44SW3	2	01-002	05/20/87	10:21	<15.2	10.4	<1.16	291	204	52.9	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	209000
T4SW3	34	01-003	08/12/86	14:32	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	
T44SW4	34	01-004	10/26/87	13:50	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	38300
OPQ10	72	01CDD	12/14/85	09:15	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34		<1.35	<2.47	106000
OPSW	1	01CDD	04/07/86	09:30	<15.2			<4.70	<4.20	<11.7	<11.3	<20.0	<1.21	<1.34	<1.28	<1.35	<2.47	55400
OPSW2	1	01CDD	06/12/86	13:30	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	82000
OPS3	1	01CDD	09/04/86	09:20	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	72900
T44OS1	1	01CDD	12/16/86	12:50	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	105000
T44OS2	1	01CDD	03/26/87	13:30	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	14.6	<1.28	<1.35	<2.47	109000
T44OS3	1	01CDD	06/16/87	11:04	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	53000
T44OS4	1	01CDD	10/16/87	10:41	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	91000
OPSW	2	01DCC	04/07/86	08:30	<15.2			<4.70	<4.20	<11.7	<11.3	<20.0	<1.21	<1.34	<1.28	<1.35	<2.47	55200
OPSW2	2	01DCC	06/12/86	13:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	39700
OPS3	2	01DCC	09/04/86	08:50	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	58900
T44OS1	2	01DCC	12/16/86	12:20	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	93300
T44OS2	2	01DCC	03/26/87	12:30	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	51600
T44OS3	2	01DCC	06/16/87	10:30	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	22600
T44OS4	2	01DCC	10/16/87	09:45	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	56200
T4-SW	2	02-001	12/12/85	13:30	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	56900
T4SW2	3	02-001	07/02/86	12:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	57900
T4SW3	3	02-001	09/03/86	13:11	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	57900
T44SW3	3	02-001	05/20/87	11:17	<15.2	<1.14	<1.16	<2.24	<1.98	<1.00	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	61700
T44SW4	3	02-001	10/29/87	11:52	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	46600
T44SW3	5	02-003	06/30/87	13:08	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	48000
T4-SW	41	02-004	01/02/86	10:20	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	105000
T4SW2	4	02-004	07/02/86	08:50	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	17000
T4SW3	33	02-004	09/03/86	13:31	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	124000
T44SW3	36	02-004	05/27/87	07:42	<15.2	<1.14	<1.16	<2.24	<1.98	<1.00	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	242000
T4SW3	37	02-005	09/03/86	12:47	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	84600
T44SW3	38	02-005	05/27/87	14:11	<15.2	<1.14	<1.16	<2.24	<1.98	<1.00	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	68400
T44SW4	37	02-005	10/29/87	13:15	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	69700
T44SW3	4	02-006	06/30/87	13:57	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	12700
T44SW4	39	02-007	10/26/87	13:21	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	74700
T44SW4	43	02-008	10/26/87	12:51	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	104000
T44SW3	6	03-032	06/30/87	10:05	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	74500
T4-SW	35	05-001	12/26/85	09:35	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	57600
T4SW2	10	05-001	07/01/86	12:15	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	51500
T44SW3	35	05-001	05/15/87	13:25	<15.2	<1.14	<1.16	<2.24	<1.98	<1.00	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	53300
T44SW4	42	05-001	10/29/87	08:51	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	46600
OPS3	6	06CDD	09/04/86	11:50	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	50600
T44OS3	6	06CDD	06/16/87	13:17	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	26300
T44OS4	6	06CDD	10/12/87	13:20	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	83500

ENVIRONMENTAL SCIENCE AND ENGINEERING, INC. DATE 05/19/88 PAGE 4

RESU

PARAMETER UNITS FLD GRP.	#	SAMPLE ID	DATE	TIME	FL UG/L	SO4 UG/L	CCL4 UG/L	CHCL3 UG/L	CLC6H5 UG/L	MTHYLCL UG/L	TCLEE UG/L	11DCLE UG/L	11DCE UG/L	111TCE UG/L	112TCE UG/L	12DCLE UG/L	T12DCE UG/L	TRCLE UG/L
T4-SW	0	01-001	01/02/86	08:50	<1200		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	7	01-001	07/02/86	11:30	<1200	85400	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	1	01-001	09/03/86	09:51	<1200	50000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	1	01-001	05/19/87	10:00	<1220	121000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	1	01-001	10/30/87	08:13	1190	113000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	1	01-002	01/02/86	11:12	<1200		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	1	01-002	07/02/86	08:50	1540	106000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	2	01-002	09/03/86	08:47	2060	256000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	2	01-002	05/20/87	10:21	1400	599000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	34	01-003	08/12/86	14:32			<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	34	01-004	10/26/87	13:50	<1220	66400	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPW1W	72	01CDD	12/14/85	09:15	1330		<2.40	<1.40	<0.500		<1.30						<1.20	<5.50
OPSW	1	01CDD	04/07/86	09:30	<1200	174000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSW2	1	01CDD	06/12/86	13:30	<1200	240000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPS3	1	01CDD	09/04/86	09:20	<1200	206000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T40S1	1	01CDD	12/16/86	12:50	<1200	278000	<2.40	<1.40	<0.500	<5.00	7.34	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T40S2	1	01CDD	03/26/87	13:30	<1200	316000	<2.40	<1.40	<0.500	<5.00	2.77	<1.20	<1.10	<1.70	<1.00	<0.610	1.82	<1.10
T40S3	1	01CDD	06/16/87	11:00	<1220	136000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T40S4	1	01CDD	10/15/87	10:41	<1220	226000	<2.40	1.20	<0.500	<5.00	3.08	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSW	2	01DCC	04/07/86	08:30	<1200	101000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSW2	2	01DCC	06/12/86	13:00	<1200	104000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPS3	2	01DCC	09/04/86	08:50	<1200	88100	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T40S1	2	01DCC	12/16/86	12:20	<1200	101000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T40S2	2	01DCC	03/26/87	12:30	<1200	131000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T40S3	2	01DCC	06/16/87	10:30	<1220	39300	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T40S4	2	01DCC	10/16/87	09:45	<1220	156000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	2	02-001	12/12/85	13:30	<1200		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	3	02-001	07/02/86	12:00	<1200	93000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	3	02-001	09/03/86	13:11	<1200	88100	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	3	02-001	05/20/87	11:17	<1220	87600	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	3	02-001	10/29/87	11:52	<1220	74000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	5	02-003	06/30/87	13:00	<1220	19300	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	41	02-004	01/02/86	10:20	<1200		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	4	02-004	07/02/86	08:50	<1200	16600	<2.40	10.2	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	38	02-004	09/03/86	13:31	<1200	<10000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	36	02-004	05/27/87	07:42	<1220	30500	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	37	02-005	09/03/86	12:47	<1200	117000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	38	02-005	05/27/87	14:11	<1220	103000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	37	02-005	10/29/87	13:15	<1220	104000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	4	02-006	06/30/87	13:57	<1220	29100	<2.40	5.70	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	39	02-007	10/26/87	13:21	<1220	109000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	40	02-008	10/26/87	12:51	<1220	58400	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	6	03-002	06/30/87	10:05	<1220	104000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	35	05-001	12/20/85	09:35	<1200		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	10	05-001	07/01/86	12:15	<1200	129000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	35	05-001	05/15/87	13:25	<1220	125000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	42	05-001	10/29/87	08:51	<1220	129000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
CPS3	5	06CZB	09/04/86	11:50	<1200	83600	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	[illegible]
T40S3	6	06CZB	06/16/87	13:17	<1220	43700	<2.40	[illegible]	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	
T40S4	6	06CZB	10/12/87	13:20	<1220	191000	<2.40	<1	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	

RESW

PARAMETER UNITS FLD GRP.	#	SAMPLE ID	DATE	TIME	NO3 MG/L AS N	SP COND UMHOS/CM	FIELD PH STD UNITS
T4-SW	0	01-001	01/02/86	08:50			
T4SW2	7	01-001	07/02/86	11:30		613	8.37
T4SW3	1	01-001	09/03/86	09:51			8.30
T44SW3	1	01-001	05/19/87	14:00	88		
T44SW4	1	01-001	10/30/87	08:19	4140		
T4-SW	1	01-002	01/02/86	11:12			
T4SW2	1	01-002	07/02/86	08:50		1150	8.45
T4SW3	2	01-002	09/03/86	08:47			8.05
T44SW3	2	01-002	05/20/87	10:21	215		
T4SW3	34	01-003	08/12/86	14:32		675	9.00
T44SW4	34	01-004	10/26/87	13:50	92.1		
OPQIW	72	01CDD	12/10/85	09:15		1910	8.37
OPSW	1	01CDD	04/07/86	09:30	1130	717	8.15
OPSW2	1	01CDD	06/12/86	13:30	1560	983	7.87
OPS3	1	01CDD	09/04/86	09:20	2150	933	7.58
T440S1	1	01CDD	12/16/86	12:50	2130	1200	7.55
T440S2	1	01CDD	03/26/87	13:30	2030	1420	7.60
T440S3	1	01CDD	06/16/87	11:04	815		
T440S4	1	01CDD	10/16/87	10:41	1520		
OPSW	2	01DCC	04/07/86	08:30	984	608	7.95
OPSW2	2	01DCC	06/12/86	13:00	1260	628	7.73
OPS3	2	01DCC	09/04/86	08:50	1670	595	7.63
T440S1	2	01DCC	12/16/86	12:20	2270	970	7.98
T440S2	2	01DCC	03/26/87	12:30	1740	644	8.26
T440S3	2	01DCC	06/16/87	10:30	513		
T440S4	2	01DCC	10/16/87	09:45	2440		
T4-SW	2	02-001	12/12/85	13:30			
T4SW2	3	02-001	07/02/86	12:00		653	8.58
T4SW3	3	02-001	09/03/86	13:11			8.08
T44SW3	3	02-001	05/20/87	11:17	53.6		
T44SW4	3	02-001	10/29/87	11:52	66.0		
T44SW3	5	02-003	06/30/87	13:00	58.7		
T4-SW	41	02-004	01/02/86	10:28			
T4SW2	4	02-004	07/02/86	08:50		205	8.04
T4SW3	38	02-004	09/03/86	13:31		705	7.09
T44SW3	36	02-004	05/27/87	07:42	24.7		
T4SW3	37	02-005	09/03/86	12:47		642	9.57
T44SW3	38	02-005	05/27/87	14:11	196		
T44SW4	37	02-005	10/29/87	13:15	34.8		
T44SW3	4	02-006	06/30/87	13:57	160		
T44SW4	39	02-007	10/26/87	13:21	50.0		
T44SW4	40	02-008	10/26/87	12:51	101		
T44SW3	6	03-002	06/30/87	10:05	45.6		
T4-SW	35	05-001	12/20/85	09:35			
T4SW2	10	05-001	07/01/86	12:15		700	8.79
T44SW3	35	05-001	05/15/87	13:25	366		
T44SW4	42	05-001	10/29/87	08:51	559		
OPS3	6	06CBB	09/04/86	11:50	2420	548	7.97
T440S3	6	06CBB	06/16/87	13:17	775		
T440S4	6	06CBB	10/12/87	13:20	2000		

RISW

PARAMETER UNITS: FLD.GRP.	#	SAMPLE ID	DATE	TIME	SAM TYPE	S TECH	INSTAL SAMPLE	DEPTH CM	SITE TYPE	ARSENIC UG/L	K UG/L	CADMIUM UG/L	CR UG/L	COPPER UG/L	LEAD UG/L	ZINC UG/L	CA UG/L	MG UG/L
T4-SW	7	07-001	12/20/85	10:10	SW	G	NE	0.0	DTCH									
T4SW3	8	07-001	09/02/86	13:33	SW	G	NE	0.0	DTCH									
T44SW3	8	07-001	05/20/87	08:44	SW	G	NE	0.0	DTCH	<2.50	2250	<5.16	<5.96	<7.94	<10.6	101	14600	4620
T44SW4	8	07-001	10/22/87	12:40	SW	G	NE	0.0	DTCH	<3.07	3030	<5.16	13.4	<7.94	<10.6	<20.1	71100	28400
T4-SW	8	07-002	12/20/85	10:45	SW	G	NE	0.0	DTCH									
T4SW2	9	07-002	07/01/86	12:55	SW	G	NE	0.0	DTCH									
T4SW3	9	07-002	09/02/86	14:00	SW	G	NE	0.0	DTCH									
T44SW3	9	07-002	05/20/87	09:17	SW	G	NE	0.0	DTCH	<2.50	3500	<5.16	<5.96	<7.94	<10.6	<20.1	33500	11300
T44SW4	9	07-002	10/22/87	13:15	SW	G	NE	0.0	DTCH	<3.07	3600	<5.16	10.2	<7.94	41.3	<20.1	95400	47100
T4SW2	10	07-004	07/01/86	14:00	SW	G	NE	0.0	DTCH									
OPQ1W	44	07ABB	11/21/85	08:30	SW	G	NE	0.0	CREK									
OPSW	5	07ABB	04/02/86	16:45	SW	G	NE	0.0	CREK	<3.90	2020	10.5	16.0	22.0	<10.5	80.2	347000	110000
OPSW2	5	07ABB	06/12/86	15:30	SW	G	NE	0.0	CREK	14.4	4300	<5.20	14.1	<7.90	<10.5	55.7	76200	17000
OPS3	5	07ABB	09/04/86	13:11	SW	G	NE	0.0	STRM	<4.00	2640	<5.20	<6.00	<7.90	<10.5	<20.1	51000	14100
T440S1	5	07ABB	12/16/86	14:01	SW	G	NE	0.0	STRM	<3.90	3710	<5.16	12.3	<7.94	<10.6	30.4	79000	15400
T440S2	5	07ABB	03/27/87	09:31	SW	G	NE	0.0	CREK	<2.50	5080	<5.16	10.2	<7.94	<10.6	373	246000	81600
T440S3	5	07ABB	06/16/87	08:00	SW	G	NE	0.0	CREK	<3.07	2550	<5.16	<5.96	<7.94	<10.6	<20.1	63700	14400
OPQ1W	43	07BAA	11/21/85	11:00	SW	G	NE	0.0	DTCH									
OPSW	4	07BAA	04/02/86	16:30	SW	G	NE	0.0	DTCH	NA	4020	<5.20	<6.00	<7.90	<10.5	45.0	90300	10900
OPSW2	4	07BAA	06/12/86	15:10	SW	G	NE	0.0	DTCH	4.35	3640	<5.20	<6.00	<7.90	<10.5	30.4	76900	12200
OPS3	4	07BAA	09/04/86	13:41	SW	G	NE	0.0	DTCH	<4.00	3700	<5.20	<6.00	<7.90	<10.5	25.0	51100	11000
T440S1	4	07BAA	12/16/86	14:11	SW	G	NE	0.0	DTCH	6.26	2960	<5.16	<11.9	<7.94	<10.6	<20.1	306000	92900
T440S2	4	07BAA	03/27/87	10:00	SW	G	NE	0.0	DTCH	<2.50	5000	<5.16	<5.96	<7.94	<10.6	22.7	69200	13900
T440S3	4	07BAA	06/16/87	14:21	SW	G	NE	0.0	DTCH	<3.07	1770	<5.16	<5.96	<7.94	<10.6	<20.1	27400	7190
T440S4	4	07BAA	10/12/87	12:38	SW	G	NE	0.0	DTCH	<3.07	4500	<5.16	16.3	<7.94	<10.6	67.2	105000	22200
T4-SW	9	08-001	12/20/85	09:05	SW	G	NE	0.0	STRM									
T4SW2	11	08-002	07/01/86	12:35	SW	G	NE	0.0	DTCH									
T4SW3	11	08-002	09/03/86	14:04	SW	G	NE	0.0	DTCH									
T44SW3	11	08-002	06/30/87	10:50	SW	G	NE	0.0	DTCH	<3.07	5690	<5.16	<5.96	<7.94	<10.6	70.5	102000	7180
CPQ1W	50	08ADD	11/22/85	09:00	SW	G	NE	0.0	CREK									
CPQ1W	65	08ADD	12/20/85	15:15	SW	G	NE	0.0	CREK									
OPSW	11	08ADD	04/02/86	10:45	SW	G	NE	0.0	CREK	6.55	4410	<5.20	<6.00	<7.90	<10.5	20.2	117000	26900
OPSW2	11	08ADD	06/12/86	09:00	SW	G	NE	0.0	CREK	<3.90	4230	<5.20	<6.00	<7.90	<10.5	<20.1	115000	20600
OPS3	11	08ADD	09/04/86	11:00	SW	G	NE	0.0	STRM	<4.00	5640	<5.20	<6.00	<7.90	<10.5	<20.1	99900	29900
T440S1	11	08ADD	12/16/86	10:50	SW	G	NE	0.0	STRM	<3.90	3710	<5.16	<11.9	<7.94	<10.6	25.2	86000	18500
T440S2	11	08ADD	03/26/87	11:00	SW	G	NE	0.0	CREK	<2.50	5400	13.7	<5.96	21.1	<10.6	<20.1	82100	19000
T440S3	11	08ADD	06/16/87	09:33	SW	G	NE	0.0	CREK	<3.07	2460	<5.16	<5.96	<7.94	<10.6	<20.1	24400	21600
T440S4	11	08ADD	10/16/87	12:37	SW	G	NE	0.0	CREK	<3.07	5240	<5.16	12.5	<7.94	21.9	<20.1	95100	20400
T4-SW	11	11-001	12/20/85	13:45	SW	G	NE	0.0	DTCH									
T4SW2	12	11-001	07/01/86	15:00	SW	G	NE	0.0	DTCH									
T4SW3	12	11-001	09/03/86	10:41	SW	G	NE	0.0	DTCH									
T44SW3	12	11-001	05/19/87	08:11	SW	G	NE	0.0	DTCH	4.61	6110	<5.16	<5.96	<7.94	<10.6	22.1	22600	3470
T44SW4	12	11-001	10/29/87	09:47	SW	G	NE	0.0	DTCH	<3.07	3710	<5.16	<5.96	<7.94	<10.6	<20.1	34200	9350
T4SW2	13	11-002	07/01/86	14:44	SW	G	NE	0.0	DTCH									
T4SW3	13	11-002	09/03/86	11:11	SW	G	NE	0.0	DTCH									
T44SW3	13	11-002	05/19/87	08:45	SW	G	NE	0.0	DTCH	4.20	5550	<5.16	<5.96	10.6	<10.6	<20.1	28900	5410
T44SW4	13	11-002	10/29/87	11:11	SW	G	NE	0.0	DTCH	<3.07	7390	<5.16	10.7	12.7	75.9	334	33900	3960
T44SW3	14	11-003	05/19/87	09:11	SW	G	NE	0.0	POND	<2.50	4150	<5.16	<5.96	<7.94	<10.6	<20.1	13600	1610
T4SW2	14	11-004	07/01/86	14:30	SW	G	NE	0	DTCH									
T4SW3	36	11-004	09/03/86	11:27	SW	G	NE	0.	DTCH									

ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.   DATE:05/19/88 PAGE 7

RISW

PARAMETER UNITS FLD GRP.	#	SAMPLE ID	DATE	TIME	NA UG/L	MERCURY UG/L	DBCP UG/L	DCPD UG/L	DITH UG/L	HCCPD UG/L	P,P'-DDT UG/L	P,P'-DDE UG/L	ALDRIN UG/L	DIELDRIN UG/L	ENDRIN UG/L	ISODRIN UG/L	CHLORDANE UG/L	DIMP UG/L
T4-SW	7	07-001	12/20/85	10:10			<0.130	<9.31	<13.0	NA	<0.050	<0.050	<0.070	<0.060	<0.050	<0.060		<10.0
T4SW3	8	07-001	09/02/86	13:33			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	8	07-001	05/20/87	08:44	17000	<0.359	<0.130	<16.2	<12.9	<0.083	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	8	07-001	10/22/87	12:40	80200	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	8	07-002	12/20/85	10:45			<0.130	<9.31	<13.0	NA	<0.050	<0.050	<0.070	<0.060	<0.050	<0.060		<10.0
T4SW2	9	07-002	07/01/86	12:55			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	9	07-002	09/02/86	14:00			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	9	07-002	05/20/87	09:17	41500	<0.359	<0.130	<16.2	<12.9	<0.083	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	9	07-002	10/22/87	13:15	263000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW2	10	07-004	07/01/86	14:00			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OFQIW	44	07ABB	11/21/85	08:30			<0.130	<9.31					<0.070	<0.060	<0.050	<0.060		<10.0
OPSW	5	07ABB	04/02/86	16:45	813000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.053	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPSW2	5	07ABB	06/12/86	15:30	52000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPS3	5	07ABB	09/04/86	13:11	47900	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S1	5	07ABB	12/16/86	14:01	99100	<0.500	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S2	5	07ABB	03/27/87	09:31	544000	<0.359	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S3	5	07ABB	06/16/87	08:00	71000	1.17	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OFQIW	43	07BAA	11/21/85	11:00			<0.130	<9.31					<0.070	<0.060	<0.050	<0.060		22.0
OPSW	4	07BAA	04/02/86	16:30	93900	<0.240	<0.130	<9.31	<12.9	<0.070	<0.053	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPSW2	4	07BAA	06/12/86	15:10	52600	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPS3	4	07BAA	09/04/86	13:41	36600	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S1	4	07BAA	12/16/86	14:11	615000	<0.500	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S2	4	07BAA	03/27/87	10:00	66200	<0.359	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S3	4	07BAA	06/16/87	14:21	22600	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S4	4	07BAA	10/12/87	12:30	96500	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	9	08-001	12/20/85	09:05			<0.130	<9.31	<13.0	NA	<0.050	<0.050	0.200	<0.060	<0.050	<0.060		<10.0
T4SW2	11	08-002	07/01/86	12:35			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	11	08-002	09/03/86	14:04			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	11	08-002	06/30/87	10:58	21100	<0.400	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OFQIW	50	08ADD	11/22/85	09:00			<0.130	<9.31					<0.070	0.060	<0.050	<0.060		<10.0
OFQIW	66	08ADD	12/20/85	15:15			<0.130	<9.31					<0.070	<0.060	<0.050	<0.060		11.0
OPSW	11	08ADD	04/02/86	10:45	92600	<0.240	<0.130	<9.31	<12.9	<0.070	<0.053	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPSW2	11	08ADD	06/12/86	09:00	61200	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPS3	11	08ADD	09/04/86	11:00	60100	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S1	11	08ADD	12/16/86	10:50	60500	<0.500	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S2	11	08ADD	03/26/87	11:00	59000	<0.359	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S3	11	08ADD	06/16/87	09:33	66700	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S4	11	08ADD	10/16/87	12:37	62400	<0.240		<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	11	11-001	12/20/85	13:45			<0.130	<9.31	<13.0	NA	<0.050	<0.050	0.200	<0.060	<0.050	<0.060		<10.0
T4SW2	12	11-001	07/01/86	15:00			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	12	11-001	09/03/86	10:41			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	12	11-001	05/19/87	08:11	12700	<0.359	<0.130	<21.6	<12.9	<0.083	<0.059	<0.046	<0.110	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	12	11-001	10/29/87	09:47	28600	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW2	13	11-002	07/01/86	14:44			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	13	11-002	09/03/86	11:11			<0.130	<9.31	<12.9	NA	NA	NA	NA	NA	NA	NA		NA
T44SW3	13	11-002	05/19/87	08:45	19100	<0.359	<0.130	<21.6	<12.9	<0.083	<0.059	<0.046	<0.110	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	13	11-002	10/29/87	11:11	33200	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	14	11-003	05/19/87	09:11	14900	<0.359	<0.130	<21.6	<12.9	<0.083	<0.059	<0.046	<0.110	<0.055	<0.060	<0.056	<0.152	<10.5
T4SW2	14	11-004	07/01/86	14:30			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	36	11-004	09/03/86	11:27			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5

RESW

PARAMETER UNITS FLD GRP.	#	SAMPLE ID	DATE	TIME	DBCP UG/L	ATZ UG/L	DMDS UG/L	CPMSO2 UG/L	CPMSO UG/L	CPMS UG/L	1,4-DITH UG/L	1,4-OXAT UG/L	TOLUEN UG/L	BENZENE UG/L	ETHYLBENZ UG/L	M-XYL UG/L	OXP-XYL UG/L	CL UG/L
T4-SW	7	07-001	12/20/85	10:10	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	131000
T4SW3	8	07-001	09/02/86	13:33	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	45100
T44SW3	8	07-001	05/20/87	08:44	<15.2	1.76	<1.16	<2.24	<1.98	<1.08	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	8260
T44SW4	8	07-001	10/22/87	12:40	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	50500
T4-SW	8	07-002	12/20/85	10:45	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	70300
T4SW2	9	07-002	07/01/86	12:55	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	36000
T4SW3	9	07-002	09/02/86	14:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	47900
T44SW3	9	07-002	05/20/87	09:17	<15.2	<1.14	<1.16	<2.24	<1.98	<1.08	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	23000
T44SW4	9	07-002	10/22/87	13:15	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	41500
T4SW2	10	07-004	07/01/86	14:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	6600
OPQ1W	44	07ADD	11/21/85	08:30	<15.2			NA	NA	NA	NA	NA	<1.21	<1.34		<1.35	<2.47	336000
OPSW	5	07ADD	04/02/86	16:45	<15.2			<4.70	<4.20	<11.7	<11.3	<20.0	<1.21	<1.34	<1.28	<1.35	<2.47	322000
OPSW2	5	07ADD	06/12/86	15:30	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	24900
OPS3	5	07ADD	09/04/86	13:11	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	56700
T440S1	5	07ADD	12/16/86	14:01	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	90000
T440S2	5	07ADD	03/27/87	09:31	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	231000
T440S3	5	07ADD	06/16/87	08:00	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	41600
OPQ1W	43	07BAA	11/21/85	11:00	<15.2			NA	NA	NA	NA	NA	<1.21	<1.34		<1.35	<2.47	159000
OPSW	4	07BAA	04/02/86	16:50	<15.2			<4.70	<4.20	<11.7	<11.3	<20.0	<1.21	<1.34	<1.28	<1.35	<2.47	76200
OPSW2	4	07BAA	06/12/86	15:10	<15.2		<1.70	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	37900
OPS3	4	07BAA	09/04/86	13:41	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	50900
T440S1	4	07BAA	12/16/86	14:11	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	250000
T440S2	4	07BAA	03/27/87	10:00	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	57100
T440S3	4	07BAA	06/16/87	14:21	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	23900
T440S4	4	07BAA	10/12/87	12:30	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	66400
T4-SW	9	08-001	12/20/85	09:05	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	52500
T4SW2	11	08-002	07/01/86	12:35	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	23000
T4SW3	11	08-002	09/03/86	14:04	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	45200
T44SW3	11	08-002	06/30/87	10:58	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	18700
OPQ1W	58	08ADD	11/22/85	09:00	<15.2			NA	NA	NA	NA	NA	NA	NA		NA	NA	53700
OPQ1W	66	08ADD	12/20/85	15:15	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34		<1.35	<2.47	56900
OPSW	11	08ADD	04/02/86	10:45	<15.2			<4.70	<4.20	<11.7	<11.3	<20.0	<1.21	<1.34	<1.28	<1.35	<2.47	63300
OPSW2	11	08ADD	06/12/86	09:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	44800
OPS3	11	08ADD	09/04/86	11:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	58200
T440S1	11	08ADD	12/16/86	10:50	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	46700
T440S2	11	08ADD	03/26/87	11:00	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	48600
T440S3	11	08ADD	06/16/87	09:33	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	50800
T440S4	11	08ADD	10/16/87	12:37	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	46300
T4-SW	11	11-001	12/20/85	13:45	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	121000
T4SW2	12	11-001	07/01/86	15:00	<15.2	?	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	6140
T4SW3	12	11-001	09/03/86	10:31	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	<4000
T44SW3	12	11-001	05/19/87	08:11	<15.2	12.0	<1.16	<2.24	<1.98	<1.08	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	9620
T44SW4	12	11-001	10/29/87	08:47	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	35400
T4SW2	13	11-002	07/01/86	14:44	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	<4000
T4SP3	13	11-002	09/03/86	11:11	NA		ZZ09/08	ZZ09/08	ZZ09/08	ZZ09/08	ZZ09/08	ZZ09/08	<1.21	<1.34	<1.28	<1.35	<2.47	<4000
T44SW3	13	11-002	05/19/87	08:45	<15.2	<1.14	<1.16	<2.24	<1.98	<1.08	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	25700
T44SW4	13	11-002	10/29/87	11:11	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	40300
T44SW3	14	11-003	05/19/87	09:11	<15.2	2.06	<1.16	<2.24	<1.98	<1.08	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	15200
T4SW2	14	11-004	07/01/86	14:30	<15.2		<1.00	<4.7'	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	<4'
T4SW3	36	11-004	09/03/86	11:27	<15.2		<1.00	<4.	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	1[illegible]

RESW

PARAMETER: UNITS: FLD GRP.	#	SAMPLE ID	DATE	TIME	FL UG/L	SO4 UG/L	CCL4 UG/L	CHCL3 UG/L	CLC6H5 UG/L	METHYLCL UG/L	TCLEE UG/L	11DCLE UG/L	11DCE UG/L	111TCE UG/L	112TCE UG/L	12DCLE UG/L	T12DCE UG/L	TRCLE UG/L
T4-SW	7	07-001	12/20/85	10:10	1500		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	8	07-001	09/02/86	13:33	1400	83000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	8	07-001	05/20/87	08:44	<1220	16700	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	8	07-001	10/22/87	12:40	1520	101000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	8	07-002	12/20/85	10:45	<1200		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	9	07-002	07/01/86	12:55	1210	78500	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	9	07-002	09/02/86	14:00	<1200	86400	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	9	07-002	05/20/87	09:17	<1220	40600	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	9	07-002	10/22/87	13:15	1220	87100	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	10	07-004	07/01/86	14:00	<1200	20000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPQ1W	44	07ABB	11/21/85	08:30	2710		<2.40	<1.40	<0.500		<1.30						<1.20	<1.10
OPSW	5	07ABB	0?/02/86	16:45	2700	2000000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSW2	5	07ABB	06/17/86	15:30	<1200	142000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPS3	5	07ABB	09/04/86	13:11	<1200	129000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T40S1	5	07ABB	12/16/86	14:01	<1200	173000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T40S2	5	07ABB	03/27/87	09:31	1590	1530000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T40S3	5	07ABB	06/16/87	08:00	<1220	197000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPQ1W	43	07BAA	11/21/85	11:00	1550		<2.40	<1.40	<0.500		<1.30						<1.20	<1.10
OPSW	4	07BAA	04/02/86	16:30	<1200	151000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSW2	4	07BAA	06/12/86	15:10	<1200	103000	<2.40	7.96	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPS3	4	07BAA	09/04/86	13:41	<1200	83600	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T40S1	4	07BAA	12/16/86	14:11	1730	1730000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T40S2	4	07BAA	03/27/87	10.00	<1200	133000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	1.17	<1.20	<1.10
T40S3	4	07BAA	06/16/87	14:21	<1220	43000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T40S4	4	07BAA	10/12/87	12.30	<1220	178000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	3	08-001	12/20/85	09:05	<1200		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	11	08-002	07/01/86	12:35	<1200	58900	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	11	08-002	09/03/86	14.00	<1200	57300	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	11	08-002	06/30/87	10:58	<1220	39500	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPQ1W	59	08ADD	11/22/85	09:00	<1200		NA	NA	NA		NA						NA	NA
OPQ1W	66	08ADD	12/20/85	15.15	<1200		<2.40	<1.40	<0.500		<1.30						<1.20	<1.10
OPSW	11	08ADD	04/02/86	10.45	<1200	141000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSW2	11	08ADD	06/12/86	09 00	<1200	123000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPS3	11	08ADD	09/04/86	11.00	<1200	127000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T40S1	11	08ADD	12/16/86	10:50	<1200	133000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T40S2	11	08ADD	03/26/87	11:00	<1200	11000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T40S3	11	08ADD	06/16/87	09:33	<1220	122000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T40S4	11	08ADD	10/16/87	12:37	<1220	124000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	11	11-001	12/20/85	13 45	<1200		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	12	11-001	07/01/86	15:00	<1200	22000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	2.93	<1.00	<0.610	<1.20	<1.10
T4SW3	12	11-001	09/03/86	10:41	<1200	17300	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	12	11-001	05/19/87	08:11	<1220	27100	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	1.92	<1.00	<0.610	<1.20	<1.10
T44SW4	12	11-001	10/29/87	09:47	<1220	46400	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	13	11-002	07/01/86	14:44	<1200	17100	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	13	11-002	09/03/86	11 11	<1200	16600	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	13	11-002	05/19/87	08 45	<1220	37000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	13	11-002	10/29/87	11 11	1240	53100	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	14	11-003	05/19/87	09.11	<1220	17500	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	14	11-004	07/01/86	14 30	<1200	12100	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	36	11-004	09/03/86	11 27	<1200	17500	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10

RESW

PARAMETER: UNITS: FLD GRP.	#	SAMPLE ID	DATE	TIME	NO3 MG/L AS N	SP COND UMHOS/CM	FIELD PH STD UNITS
T4-SW	7	07-001	12/20/85	10:10			
T4SW3	8	07-001	09/02/86	13:33		790	8.10
T44SW3	8	07-001	05/20/87	08:44	527		
T44SW4	8	07-001	10/22/87	12:40	3230		
T4-SW	8	07-002	12/20/85	10:45			
T4SW2	9	07-002	07/01/86	12:55		707	8.23
T4SW3	9	07-002	09/02/86	14:00		827	8.40
T44SW3	9	07-002	05/20/87	09:17	1550		
T44SW4	9	07-002	10/22/87	13:15	4720		
T4SW2	10	07-004	07/01/86	14:00		170	7.96
OPQ1W	44	07ABB	11/21/85	08:30			
OPSW	5	07ABB	04/02/86	16:45	331	4340	8.42
OPSW2	5	07ABB	06/12/86	15:30	406	523	8.14
OPS3	5	07ABB	09/04/86	13:11	19.9	614	8.51
T400S1	5	07ABB	12/16/86	14:01	2640	2720	8.01
T400S2	5	07ABB	03/27/87	09:32	556	931	8.54
T400S3	5	07ABB	06/16/87	00:00	250		
OPQ1W	43	07BAA	11/21/85	11:00			
OPSW	4	07BAA	04/02/86	16:30	2810	947	8.24
OPSW2	4	07BAA	06/12/86	15:10	1560	594	7.59
OPS3	4	07BAA	09/04/86	13:41	1420	549	7.94
T400S1	4	07BAA	12/16/86	14:11	2020	805	7.80
T400S2	4	07BAA	03/27/87	10:00	1810	759	8.34
T400S3	4	07BAA	06/16/87	14:21	701		
T400S4	4	07BAA	10/12/87	12:30	3690		
T4-SW	9	08-001	12/20/85	09:05			
T4SW2	11	08-002	07/01/86	12:35		355	9.21
T4SW3	11	08-002	09/03/86	14:04		4440	8.14
T44SW3	11	08-002	06/30/87	10:58	761		
OPQ1W	50	08ADD	11/22/85	09:00			
OPQ1W	66	08ADD	12/20/85	15:15		630	8.63
OPSW	11	08ADD	04/02/86	10:45	192	916	8.40
OPSW2	11	08ADD	06/12/86	09:00	288	950	7.83
OPS3	11	08ADD	09/04/86	11:00	93.4	899	8.33
T400S1	11	08ADD	12/16/86	10:50	504	810	8.47
T400S2	11	08ADD	03/26/87	11:00	247	753	8.02
T400S3	11	08ADD	06/16/87	09:32	558		
T400S4	11	08ADD	10/16/87	12:37	351		
T4-SW	11	11-001	12/20/85	13:45			
T4SW2	12	11-001	07/01/86	15:00		198	7.74
T4SW3	12	11-001	09/03/86	10:41		151	7.40
T44SW3	12	11-001	05/19/87	08:11	319		
T44SW4	12	11-001	10/29/87	09:47	27.2		
T4SW2	13	11-002	07/01/86	14:44		192	10.3
T4SW3	13	11-002	09/03/86	11:11		127	10.1
T44SW3	13	11-002	05/19/87	08:45	31.5		
T44SW4	13	11-002	10/23/87	11:11	<10.0		
T44SW3	14	11-003	05/19/87	09:11	60.9		
T4SW2	14	11-004	07/01/86	14:39		170	10.4
T4SW3	35	11-004	09/03/86	11:27		141	9.39

ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.   DATE 05/19/88 PAGE 11

RISW

PARAMETER UNITS FLD GRP.	#	SAMPLE ID	DATE	TIME	SAM TYPE	S TECH	INSTAL SAMPLE	DEPTH CM	SITE TYPE	ARSENIC UG/L	K UG/L	CADMIUM UG/L	CR UG/L	COPPER UG/L	LEAD UG/L	ZINC UG/L	CA UG/L	MG UG/L
T44SW4	43	11-004	10/29/87	10:31	SW	G	NI	0.0	DTCH	<3.07	3400	<5.16	<5.96	<7.94	<10.6	<20.1	8120	1340
T4-SW	14	12-001	12/20/85	11:10	SW	G	NI	0.0	DTCH									
T4SW2	15	12-001	07/01/86	13:00	SW	G	NI	0.0	DTCH									
T4SW3	15	12-001	09/02/86	14:20	SW	G	NI	0.0	DTCH									
T44SW3	15	12-001	05/19/87	10:04	SW	G	NI	0.0	DTCH	2.77	4990	<5.16	<5.96	<7.94	<10.6	<20.1	22600	3620
T4SW2	16	12-002	07/01/86	13:22	SW	G	NI	0.0	DTCH									
T4SW3	16	12-002	09/02/86	14:50	SW	G	NI	0.0	DTCH									
T44SW4	16	12-002	10/22/87	13:40	SW	G	NI	0.0	DTCH	<3.07	5090	<5.16	<5.96	<7.94	<10.6	127	13400	1900
T4-SW	17	12-004	12/20/85	11:55	SW	G	NI	0.0	DTCH									
T4SW3	18	12-004	09/03/86	10:17	SW	G	NI	0.0	DTCH									
T44SW3	18	12-004	05/19/87	10:41	SW	G	NI	0.0	DTCH	3.79	7510	<5.16	<5.96	13.1	<10.6	20.8	44500	9340
T4SW2	19	12-005	07/02/86	11:05	SW	G	NI	0.0	DTCH									
T44SW3	19	12-005	05/19/87	13:17	SW	G	NI	0.0	DTCH	<2.50	4430	<5.16	<5.96	<7.94	<10.6	<20.1	74500	23000
T44SW4	19	12-005	10/30/87	07:51	SW	G	NI	0.0	DTCH	<3.07	3710	<5.16	<5.96	<7.94	<10.6	<20.1	81900	24800
OFQIW	42	12AAB	11/19/85	14:15	SW	G	NI	0.0	RVER									
OPSW2	3	12AAB	06/16/86	12:45	SW	G	NI	0.0	RVER	<3.90	11300	<51.6	<59.6	<79.4	<106	<201	68200	10200
OPS3	3	12AAB	09/05/86	12:51	SW	G	NI	0.0	RVER	4.72	7930	<5.20	<6.00	<7.90	<10.5	<20.1	101000	17100
T44OS1	3	12AAB	12/17/86	11:15	SW	G	NI	0.0	RVER	<3.90	7670	<5.16	<11.9	<7.94	<10.6	47.0	64500	13300
T44OS2	3	12AAB	03/27/87	10:31	SW	G	NI	0.0	RVER	<2.50	10600	<5.16	6.21	10.7	<10.6	79.6	76200	15300
T44OS3	3	12AAB	06/17/87	11:34	SW	G	NI	0.0	RVER	<3.07	3930	<5.16	<5.96	<7.94	<10.6	56.2	40200	8160
T44OS4	3	12AAB	09/24/87	11:23	SW	G	NI	0.0	RVER	<3.07	8820	<5.16	14.4	<7.94	<10.6	26.0	86500	17400
OPSW	3	12ADD	04/07/86	12:45	SW	G	NI	0.0	RVER	<3.90	4530	20.6	31.3	32.1	20.6	81.1	70400	12800
OFQIW	49	13DCC	11/22/85	09:45	SW	G	NI	0.0	CREK									
OFQIW	77	13DCC	12/20/85	11:00	SW	G	NI	0.0	CREK									
OPSW	10	13DCC	04/02/86	12:30	SW	G	NI	0.0	CREK	<3.90	4530	<5.20	<6.00	<7.90	<10.5	29.5	112000	44600
T44OS2	10	13DCC	03/26/87	14:14	SW	G	NI	0.0	CREK		6670	<5.16	<5.96	<7.94	<10.6	<20.1	10300	3300
T44OS3	10	13DCC	06/17/87	12:52	SW	G	NI	0.0	CREK	3.50	5500	<5.16	<5.96	<7.94	<10.6	41.4	113000	36100
OFQIW	48	14BDD	12/14/85	10:00	SW	G	NI	0.0	CREK									
OPSW	9	14BDD	04/02/86	14:00	SW	G	NI	0.0	CREK	<3.90	4600	<5.20	<6.00	<7.90	<10.5	29.5	110000	49700
OPSW2	9	14BDD	06/16/86	14:40	SW	G	NI	0.0	CREK	9.04	3710	<5.20	<6.00	<7.90	<10.5	<20.1	135000	55600
T44OS1	9	14BDD	12/16/86	13:21	SW	G	NI	0.0	CREK	<3.90	2960	<5.16	<11.9	<7.94	<10.6	23.2	106000	47400
T44OS2	9	14BDD	03/26/87	15:20	SW	G	NI	0.0	CREK	2.70	7070	<5.16	<5.96	<7.94	<10.6	<20.1	100000	38800
T44OS3	9	14BDD	06/17/87	13:20	SW	G	NI	0.0	CREK	4.10	6090	<5.16	<5.96	<7.94	<10.6	<20.1	85300	38400
T44OS4	9	14BDD	10/12/87	16:49	SW	G	NI	0.0	CREK	<3.07	2610	<5.16	11.5	<7.94	<10.6	<20.1	90800	43900
OPSW	7	22CAA	04/15/86	10:45	SW	G	NI	853	LAKE	<3.90	4140	<5.20	<6.00	<7.90	<10.5	23.2	75900	15000
OPSW2	7	22CAA	06/16/86	10:00	SW	G	NI	0.0	LAKE	<3.90	5710	<5.20	<6.00	<7.90	<10.5	<20.1	87400	13900
OPS3	7	22CAA	09/05/86	11:00	SW	G	NI	0.0	LAKE	<3.90	4060	<5.20	<6.00	<7.90	31.2	<20.1	85900	13100
T44OS2	7	22CAA	04/08/87	11:11	SW	G	NI	0.0	LAKE	2.96	5450	<5.16	<5.96	12.1	<10.6	<20.1	64700	14000
T44OS3	7	22CAA	06/17/87	09:26	SW	G	NI	0.0	LAKE	<3.07	4320	<5.16	<5.96	<7.94	<10.6	<20.1	57100	11800
T44OS4	7	22CAA	10/23/87	09:41	SW	G	NI	0.0	LAKE	NA	NA	NA	NA	NA	NA	NA	NA	NA
T4-SW	19	24-001	12/12/85	11:44	SW	G	NI	0.0	STRM									
T4SW2	20	24-001	06/30/86	14:05	SW	G	NI	0.0	STRM									
T4SW3	20	24-001	09/02/86	10:40	SW	G	NI	0.0	STRM									
T44SW3	20	24-001	05/15/87	09:30	SW	G	NI	0.0	STRM	28.7	5130	<5.16	<5.96	<7.94	<10.6	149	33700	10500
T44SW4	45	24-001	10/22/87	09:00	SW	G	NI	0.0	STRM	38.7	4290	<5.16	<5.96	<7.94	<10.6	30.9	38500	8800
T4-SW	20	24-002	12/12/85	11:20	SW	G	NI	0.0	STRM									
T4SW3	22	24-003	09/02/86	10:11	SW	G	NI	0.0	DTCH									
T44SW3	33	24-007	05/15/87	08:40	SW	G	NI	0.0	CREK	5.01	6390	<5.16	<5.96	<7.94	<10.6	<20.1	89500	28600
T44SW3	34	24-008	05/15/87	10:25	SW	G	NI	0.0	POND	2.56	3600	<5.16	<5.96	<7.94	<10.6	162	96300	53600
T44SW4	49	24-008	10/22/87	09:55	SW	G	NI	0.0	POND	<3.07	3830	<5.16	<5.96	<7.94	<10.6	<20.1	126000	63800

DESW

FLD GRP.	#	SAMPLE ID	DATE	TIME	NA UG/L	MERCURY UG/L	DBCP UG/L	DCPD UG/L	DITH UG/L	HCCPD UG/L	P,P'-DDT UG/L	P,P'-DDE UG/L	ALDRIN UG/L	DIELDRIN UG/L	ENDRIN UG/L	ISODRIN UG/L	CHLORDANE UG/L	DIMP UG/L
T44SW4	43	11-004	10/29/87	10:31	5300	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	14	12-001	12/20/85	11:10			<0.130	<9.31	<13.0	NA	<0.050	<0.050	0.100	<0.060	<0.050	<0.060		<10.0
T4SW2	15	12-001	07/01/86	13:00			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	15	12-001	09/02/86	14:20			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	15	12-001	05/19/87	10:04	17600	<0.359	<0.130	<21.6	<12.9	<0.083	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T4SW2	16	12-002	07/01/86	13:22			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	16	12-002	09/02/86	14:50			<0.13C	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW4	16	12-002	10/22/87	13:40	3120	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	17	12-004	12/20/85	11:55			<0.130	<9.31	<13.0									
T4SW3	18	12-004	09/03/86	10:17			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	18	12-004	05/19/87	10:41	29200	<0.359	<0.130	<21.6	<12.9	<0.083	<0.059	<0.046	<0.118	<0.055	<0.060	<0.056	<0.152	<10.5
T4SW2	19	12-005	07/02/86	11:05			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	19	12-005	05/19/87	13:17	85200	<0.359	<0.130	<21.6	<12.9	<0.083	<0.059	<0.046	<0.118	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	19	12-005	10/30/87	07:51	87200	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OFQIW	42	12AAB	11/19/85	14:15			<0.130	<9.31					0.100	<0.060	<0.050	<0.060		<10.0
OPSW2	3	12AAB	06/16/86	12:45	68000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPS3	3	12AAB	09/05/86	12:51	113000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S1	3	12AAB	12/17/86	11:15	110000	<0.500	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S2	3	12AAB	03/27/87	10:31	120000	<0.359	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S3	3	12AAB	06/17/87	11:34	40900	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S4	3	12AAB	09/24/87	11:23	134000	<0.480	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPSW	3	12ABB	04/07/86	12:45	77200	<0.240	<0.130	<9.31	<12.9	<0.070	<0.053	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OFQIW	49	13DCC	11/22/85	09:45			<0.130	<9.31					<0.070	0.080	<0.050	<0.060		<10.0
OFQIW	77	13DCC	12/20/85	11:00			<0.130	<9.31					0.200	<0.060	<0.050	<0.060		17.0
OPSW	10	13DCC	04/02/86	12:30	174000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.053	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S2	10	13DCC	03/26/87	14:14	12200	<0.359	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S3	10	13DCC	06/17/87	12:52	129000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OFQIW	48	14DDD	12/16/85	10:00			<0.130	<9.31					<0.070	<0.060	<0.050	<0.060		50.0
OPSW	9	14DDD	04/02/86	14:00	213000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.053	<0.053	<0.070	0.062	<0.052	<0.060		69.8
OPSW2	9	14DDD	06/16/86	14:40	302000	<0.240	<0.130	24.2	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		466
T440S1	9	14DDD	12/16/86	13:21	261000	<0.500	<0.130	31.5	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		550
T440S2	9	14DDD	03/26/87	15:20	157000	<0.359	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		89.3
T440S3	9	14DDD	06/17/87	13:20	158000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		74.6
T440S4	9	14DDD	10/12/87	16:49	253000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		196
OPSW	7	22CAA	04/15/86	10:45	73700	<0.240	<0.130	NA	NA	<0.070	<0.053	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPSW2	7	22CAA	06/16/86	10:00	63200	IL	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPS3	7	22CAA	09/05/86	11:00	68700	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S2	7	22CAA	04/08/87	11:11	89000	<0.359	<0.130	<9.31	<12.9	NA	NA	NA	NA	NA	NA	NA		11.7
T440S3	7	22CAA	06/17/87	09:26	58800	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T440S4	7	22CAA	10/23/87	09:41	NA	NA	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	19	24-001	12/12/85	11:44			<0.130	<9.31	<13.0	NA	<0.070	<0.050	0.080	<0.060	<0.050	<0.060		<10.0
T4SW2	20	24-001	06/30/86	14:05			<0.130	<9.31	<12.9	<0.700	<0.700	<0.530	2.38	0.936	<0.520	<0.600		<10.5
T4SW3	20	24-001	09/02/86	10:40			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	0.598	0.187	<0.052	<0.060		<10.5
T44SW3	20	24-601	05/15/87	09:30	65000	<0.359	0.150	NA	NA	<0.170	<0.059	<0.046	0.361	0.105	<0.060	<0.056	<0.152	<10.5
T44SW4	45	24-001	10/22/87	09:00	63900	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	0.248	0.099	<0.052	<0.060		<10.5
T4-SW	20	24-002	12/12/85	11:20			<0.130	<9.31	<13.0	NA	<0.070	<0.050	<0.070	<0.060	<0.050	<0.060		<10.0
T4SW3	22	24-003	09/02/86	10:11			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	33	24-007	05/15/87	08:40	107000	<0.359	<0.130	[illegible]	<12.9	<0.170	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	[illegible]
T44SW3	34	24-008	05/15/87	10:25	231000	<0.359	<0.130	[illegible]	<12.9	<0.170	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	[illegible]
T44SW4	49	24-008	10/22/87	09:55	230000	<0.240	<0.130	[illegible]	<12.9	<0.070	<0.070	<0.053	<0.073	<0.060	<0.052	<0.060		[illegible]

RESW

PARAMETER: UNITS: FLD.GRP.	#	SAMPLE ID	DATE	TIME	DMMP UG/L	DTZ UG/L	DMDS UG/L	CPMSO2 UG/L	CPMSO UG/L	CPMS UG/L	1,4-DITH UG/L	1,4-OXAT UG/L	TOLUENE UG/L	BENZENE UG/L	ETHYLBENZ UG/L	M-XYL UG/L	O&P-XYL UG/L	CL UG/L
T44SW4	43	11-004	10/29/87	10:31	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	<4000
T4-SW	14	12-001	12/20/85	11:10	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	696000
T4SW2	15	12-001	07/01/86	13:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	<4000
T4SW3	15	12-001	09/02/86	14:20	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	<4000
T44SW3	15	12-001	05/19/87	10:04	<15.2	<1.14	<1.16	<2.24	<1.98	<1.08	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	21000
T4SW2	16	12-002	07/01/86	13:22	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	<4000
T4SW3	16	12-002	09/02/86	14:50	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	<4000
T44SW4	16	12-002	10/22/87	13:40	<15.2	<2.00	<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	21.7	<1.34	<1.28	<1.35	<2.47	<4000
T4-SW	17	12-004	12/20/85	11:55									<1.21	<1.34	<1.00	<1.35	<2.47	680000
T4SW3	18	12-004	09/03/86	10:17	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	<4000
T44SW3	18	12-004	05/19/87	10:41	<15.2	<1.14	<1.16	<2.24	<1.98	<1.08	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	34000
T4SW2	19	12-005	07/02/86	11:05	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	25100
T44SW3	19	12-005	05/19/87	13:17	<15.2	<1.14	<1.16	<2.24	<1.98	<1.08	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	97100
T44SW4	19	12-005	10/30/87	07:51	<15.2	<2.00	<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	47700
OFQ1W	42	12AAD	11/19/85	14:15	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34		<1.35	<2.47	82400
OPSW2	3	12AAB	06/16/86	12:45	<15.2		<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	31100
OPS3	3	12AAB	09/05/86	12:51	<15.2		<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	88700
T440S1	3	12AAB	12/17/86	11:15	<15.2	<2.00	<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	112000
T440S2	3	12AAB	03/27/87	10:31	<15.2	<2.00	<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	103000
T440S3	3	12AAB	06/17/87	11:34	<15.2	<2.00	<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	36200
T440S4	3	12AAB	09/24/87	11:23	<15.2	<2.00	<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	103000
OPSW	3	12ABB	04/07/86	12:45	<15.2			<4.70	<4.20	<11.7	<11.3	<20.0	<1.21	<1.34	<1.28	<1.35	<2.47	53900
OFQ1W	49	13DCC	11/22/85	09:45	<15.2			NA	NA	NA	NA	NA	NA	NA		NA	NA	84200
OFQ1W	77	13DCC	12/20/85	11:00	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34		<1.35	<2.47	88700
OPSW	10	13DCC	04/02/86	12:30	<15.2			<4.70	<4.20	<11.7	<11.3	<20.0	<1.21	<1.34	<1.28	<1.35	<2.47	111000
T440S2	10	13DCC	03/26/87	14:14	<15.2	<2.00	<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	96800
T440S3	10	13DCC	06/17/87	12:52	<15.2	<2.00	<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	78100
OFQ1W	48	14BDD	12/14/85	10:00	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34		<1.35	<2.47	142000
OPSW	9	14BDD	04/02/86	14:00	<15.2			<4.70	<4.20	<11.7	<11.3	<20.0	<1.21	<1.34	<1.28	<1.35	<2.47	157000
OPSW2	9	14BDD	06/16/86	14:40	<15.2		<1.80	<4.70	<4.20	<1.30	2.21	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	295000
T440S1	9	14BDD	12/16/86	13:21	<15.2	<2.00	<1.80	5.20	<4.20	<1.30	2.76	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	286000
T440S2	9	14BDD	03/26/87	15:20	<15.2	<2.00	<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	147000
T440S3	9	14BDD	06/17/87	13:20	<15.2	<2.00	<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	131000
T440S4	9	14BDD	10/12/87	16:49	<15.2	<2.00	<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	185000
OPSW	7	22CAA	04/15/86	10:45	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	50500
OPSW2	7	22CAA	06/16/86	10:00	<15.2		<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	61100
OPS3	7	22CAA	09/05/86	11:00	<15.2		<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	51500
T440S2	7	22CAA	04/08/87	11:11	<15.2	NA	NA	NA	NA	NA	NA	NA	<1.21	<1.34	<1.28	<1.35	<2.47	70500
T440S3	7	22CAA	06/17/87	09:26	<15.2	<2.00	<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	59900
T440S4	7	22CAA	10/23/87	09:41	<15.2	<2.00	<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	51400
T4-SW	19	24-001	12/12/85	11:44	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	68200
T4SW2	20	24-001	06/30/86	14:05	<15.2		<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	147000
T4SW3	20	24-001	09/02/86	10:40	<15.2		<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	64900
T44SW3	20	24-001	05/15/87	09:30	<15.2	<1.14	<1.16	<2.24	<1.98	<1.08	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	68500
T44SW4	45	24-001	10/22/87	09:00	<15.2	<2.00	<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	60400
T4-SW	20	24-002	12/12/85	11:20	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	95800
T4SW3	22	24-003	09/02/86	10:11	<15.2		<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	286000
T44SW3	33	24-007	05/15/87	08:40	<15.2	<1.14	<1.16	<2.24	<1.98	<1.08	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	65700
T44SW3	34	24-008	05/15/87	10:25	<15.2	<1.14	<1.16	<2.24	<1.98	<1.08	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	247000
T44SW4	49	24-008	10/22/87	09:55	<15.2	<2.00	<1.80	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	306000

RESW

PARAMETER: UNITS: FLD.GRP.	#	SAMPLE ID	DATE	TIME	FL UG/L	SO4 UG/L	CCL4 UG/L	CHCL3 UG/L	CLC6H5 UG/L	MTHYLCL UG/L	TCLEE UG/L	11DCLE UG/L	11DCE UG/L	111TCE UG/L	112TCE UG/L	12DCLE UG/L	T12DCE UG/L	TRCLE UG/L
T44SW4	43	11-004	10/29/87	10:31	<1220	14400	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	14	12-001	12/20/85	11:10	<1200		<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	15	12-001	07/01/86	13:00	<1200	18400	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	15	12-001	09/02/86	14:20	<1200	16400	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	15	12-001	05/19/87	10:04	<1220	35300	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	16	12-002	07/01/86	13:22	<1200	16100	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	16	12-002	09/02/86	14:50	<1200	16000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	16	12-002	10/22/87	13:40	1640	<10000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	17	12-004	12/20/85	11:55	<1200		<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	18	12-004	09/03/86	10:17	<1200	17300	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	18	12-004	05/19/87	10:41	1470	76000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	19	12-005	07/02/86	11:05	<1200	59100	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	19	12-005	05/19/87	13:17	1470	326000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	19	12-005	10/30/87	07:51	<1220	110000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OFQ1W	42	12AAB	11/19/85	14:15	<1200		<2.40	<1.40	<0.580		<1.30						<1.20	<5.50
OPSW2	3	12AAB	06/16/86	12:45	<1200	85700	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPS3	3	12AAB	09/05/86	12:51	<1200	163000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS1	3	12AAB	12/17/86	11:15	<1200	193000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS2	3	12AAB	03/27/87	10:31	<1200	193000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS3	3	12AAB	06/17/87	11:34	<1220	84700	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS4	3	12AAB	09/24/87	11:23	<1220	199000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSW	3	12ABB	04/07/86	12:45	<1200	121000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OFQ1W	49	13DCC	11/22/85	09:45	<1200		NA	NA	NA		NA						NA	NA
OFQ1W	77	13DCC	12/20/85	11:00	<1200		<2.40	<1.40	<0.580		<1.30						<1.20	<1.10
OPSW	10	13DCC	04/02/86	12:30	<1200	281000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS2	10	13DCC	03/26/87	14:14	<1200	268000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS3	10	13DCC	06/17/87	12:52	<1220	254000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OFQ1W	48	14BDD	12/14/85	10:00	1470		<2.40	<1.40	<0.580		<1.30						<1.20	<1.10
OPSW	9	14BDD	04/02/86	14:00	1460	300000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSW2	9	14BDD	06/16/86	14:40	1700	410000	<2.40	<1.40	<0.580	<5.50	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS1	9	14BDD	12/16/86	13:21	1560	396000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS2	9	14BDD	03/26/87	15:20	1280	328000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	0.754	<1.20	<1.10
T44OS3	9	14BDD	06/17/87	13:20	1290	288000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS4	9	14BDD	10/12/87	16:49	1910	369000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSW	7	22CAA	04/15/86	10:45	<1200	104000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSW2	7	22CAA	06/16/86	10:00	<1200	118000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPS3	7	22CAA	09/05/86	11:00	<1200	102000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS2	7	22CAA	04/08/87	11:11	<1220	136000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS3	7	22CAA	06/17/87	09:28	<1220	98600	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS4	7	22CAA	10/23/87	09:41	<1220	127000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	19	24-001	12/12/85	11:44	<1200		<2.40	4.85	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	20	24-001	06/30/86	14:05	1280	99000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	20	24-001	09/02/86	10:40	<1200	42900	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	20	24-001	05/15/87	09:30	<1220	49200	<2.40	11.4	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	45	24-001	10/22/87	09:00	<1220	31200	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	20	24-002	12/12/85	11:20	<1200		<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<5.00	<0.610	<1.20	<5.50
T4SW3	22	24-003	09/02/86	10:11	1830	463000	<2.40	<1.40	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	33	24-007	05/15/87	08:40	<1220	210000	<2.40	<1.4[illegible]	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.[illegible]
T44SW3	34	24-008	05/15/87	10:25	1720	446000	<2.40	<1[illegible]	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<[illegible]
T44SW4	49	24-008	10/22/87	09:55	1830	410000	<2.40	<1.[illegible]	<0.580	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1[illegible]

RESW

PARAMETER:					NO3	SP COND	FIELD PH
UNITS:					UG/L AS N	UMHOS/CM	STD UNITS
FLD.GRP.	#	SAMPLE ID	DATE	TIME			
T44SW4	43	11-004	10/29/87	10:31	10.1		
T4-SW	14	12-001	12/20/85	11:10			
T4SW2	15	12-001	07/01/86	13:00		170	10.4
T4SW3	15	12-001	09/02/86	14:20		142	10.2
T44SW3	15	12-001	05/19/87	10:04	30.3		
T4SW2	16	12-002	07/01/86	13:22		153	9.80
T4SW3	16	12-002	09/02/86	14:50		133	9.90
T44SW4	16	12-002	10/22/87	13:40	<10.0		
T4-SW	17	12-004	12/20/85	11:55			
T4SW3	18	12-004	09/03/86	10:17		122	8.03
T44SW3	18	12-004	05/19/87	10:41	250		
T4SW2	19	12-005	07/02/86	11:05		508	8.54
T44SW3	19	12-005	05/19/87	13:17	3150		
T44SW4	19	12-005	10/30/87	07:51	4860		
OFQIW	42	12AAB	11/19/85	14:15		958	7.80
OPSW2	3	12AAB	06/16/86	12:45	1230	415	7.54
OPS3	3	12AAB	09/05/86	12:51	3650	938	7.84
T44OS1	3	12AAB	12/17/86	11:15	1820	683	7.93
T44OS2	3	12AAB	03/27/87	10:31	2320	1110	8.08
T44OS3	3	12AAB	06/17/87	11:34	1800		
T44OS4	3	12AAB	09/24/87	11:23	2330		
OPSW	3	12ABB	04/07/86	12:45	1010	685	7.51
OFQIW	49	13DCC	11/22/85	09:45			
OFQIW	77	13DCC	12/20/85	11:00		1240	7.74
OPSW	10	13DCC	04/02/86	12:30	<10.0	1300	8.75
T44OS2	10	13DCC	03/26/87	14:14	416	1260	8.18
T44OS3	10	13DCC	06/17/87	12:52	249		
OFQIW	48	14BDD	12/14/85	10:00		1700	8.66
OPSW	9	14BDD	04/02/86	14:00	860	1490	8.37
OPSW2	9	14BDD	06/16/86	14:40	11.5	2010	8.45
T44OS1	9	14BDD	12/16/86	13:21	<10.0	1510	8.70
T44OS2	9	14BDD	03/26/87	15:20	<10.0	1520	8.64
T44OS3	9	14BDD	06/17/87	13:20	35.9		
T44OS4	9	14BDD	10/12/87	16:49	NA		
OPSW	7	22CAA	04/15/86	10:45	458	833	8.50
OPSW2	7	22CAA	06/16/86	10:00	339	636	8.50
OPS3	7	22CAA	09/05/86	11:00	770	640	9.06
T44OS2	7	22CAA	04/08/87	11:11	1100	850	9.14
T44OS3	7	22CAA	06/17/87	09:26	485		
T44OS4	7	22CAA	10/23/87	09:41	837	?	
T4-SW	19	24-001	12/12/85	11:44			
T4SW2	20	24-001	06/30/86	14:05		985	7.70
T4SW3	20	24-001	09/02/86	10:40		505	7.80
T44SW3	20	24-001	05/15/87	09:30	3660		
T44SW4	45	24-001	10/22/87	09:00	2910		
T4-SW	20	24-002	12/12/85	11:20			
T4SW3	22	24-003	09/02/86	10:11		1940	8.00
T44SW3	33	24-007	05/15/87	08:40	230		
T44SW3	34	24-008	05/15/87	10:25	21.8		
T44SW4	49	24-008	10/22/87	09:55	28.4		

ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.   DATE:05/19/88 PAGE 16

RESW

PARAMETER: UNITS: FLD.GRP.	#	SAMPLE ID	DATE	TIME	SAM TYPE	S TECH	INSTAL SAMPLE	DEPTH FT	SITE TYPE	ARSENIC UG/L	K UG/L	CADMIUM UG/L	CR UG/L	COPPER UG/L	LEAD UG/L	ZINC UG/L	CA UG/L	MG UG/L
T4-SW	33	30-002	12/12/85	13:00	SW	G	RK	0.0	STRM									
T4SW2	27	30-002	06/30/86	14:35	SW	G	RK	0.0	DTCH									
T4SW3	35	30-002	09/02/86	11:13	SW	G	RK	0.0	STRM									
T44SW3	27	30-002	05/20/87	12:35	SW	G	RK	0.0	STRM	<2.50	7700	<5.16	<5.96	<7.94	<10.6	<20.1	87200	24900
T44SW4	50	30-002	10/22/87	10:20	SW	G	RK	0.0	STRM	<3.07	4290	<5.16	<5.96	<7.94	<10.6	<20.1	115000	37000
T4-SW	27	31-001	12/12/85	12:37	SW	G	RK	0.0	DTCH									
T4SW2	28	31-001	06/30/86	15:00	SW	G	RK	0.0	DTCH									
T44SW3	28	31-001	05/20/87	13:11	SW	G	RK	0.0	DTCH	<2.50	3500	<5.16	<5.96	<7.94	<10.6	<20.1	63900	30400
T44SW4	28	31-001	10/22/87	11:00	SW	G	RK	0.0	DTCH	<3.07	7160	<5.16	<5.96	10.1	<10.6	<20.1	107000	50100
T4SW2	29	31-002	07/01/86	11:50	SW	G	RK	0.0	STRM									
T4SW3	29	31-002	09/02/86	11:51	SW	G	RK	0.0	STRM									
T44SW3	29	31-002	05/27/87	12:57	SW	G	RK	0.0	STRM	7.27	7430	<5.16	<5.96	<7.94	<10.6	<20.1	97000	23200
T44SW4	29	31-002	10/22/87	11:30	SW	G	RK	0.0	STRM	<3.07	6470	<5.16	<5.96	<7.94	<10.6	<20.1	62000	28300
OFQIN	47	33ADB	12/12/85	10:00	SW	G	RK	0.0	LAKE									
OPSW	8	33ADB	04/15/86	08:30	SW	G	RK	0.0	LAKE	<3.90	2430	<5.20	<6.00	<7.90	<10.5	<20.1	64500	13800
OPSW2	8	33ADB	06/16/86	12:00	SW	G	RK	0.0	LAKE	<3.90	2300	<5.20	<6.00	<7.90	<10.5	36.2	69000	11900
OPS3	8	33ADB	09/05/86	11:40	SW	G	RK	0.0	LAKE	<3.90	4430	<5.20	<6.00	<7.90	<10.5	<20.1	131000	13000
T440S1	8	33ADB	12/17/86	09:40	SW	G	RK	0.0	LAKE	<3.90	4030	<5.16	<11.9	<7.94	<10.6	28.3	82800	14700
T440S2	8	33ADB	04/08/87	12:11	SW	G	RK	0.0	LAKE	<2.50	4240	<5.16	<5.96	<7.94	<10.6	39.8	61000	13100
T440S3	8	33ADB	06/17/87	10:48	SW	G	RK	0.0	LAKE	<3.07	2160	<5.16	<5.96	<7.94	<10.6	29.1	31300	7290
T440S4	8	33ADB	10/23/87	10:55	SW	G	RK	0.0	LAKE	<3.07	4010	<5.16	7.60	<7.94	<10.6	<20.1	75900	16100
T44SW3	39	35-003	05/28/87	10:36	SW	G	RK	0.0	BASN	703	11500	<5.16	<5.96	10.5	<10.6	<20.1	73600	8970
T4-SW	31	36-001	12/09/85	10:12	SW	G	RK	0.0	BASN									
T4SW2	32	36-001	07/02/86	09:20	SW	G	RK	0.0	BASN									
T4SW3	32	36-001	08/12/86	13:10	SW	G	RK	0.0	BASN									
T44SW3	32	36-001	05/27/87	09:21	SW	G	RK	0.0	DTCH	266	4020	<5.16	<5.96	<7.94	<10.6	<20.1	55600	18000
T44SW4	32	36-001	10/30/87	09:31	SW	G	RK	0.0	DTCH	382	3940	<5.16	<5.96	<7.94	<10.6	<20.1	61700	24900
T4SW3	33	36-003	08/12/86	13:39	SW	G	RK	0.0										
T44SW3	37	36-003	05/27/87	10:11	SW	G	RK	0.0	BASN	1240	4430	6.72	<5.96	9.92	<10.6	<20.1	33100	1370

ENVIRONMENTAL SCIENCE AND ENGINEERING, INC. DATE:05/19/88 PAGE 37

RESN

PARAMETER:					NA	MERCURY	DBCP	DCPD	DITH	HCCPD	P,P'-DDT	P,P'-DDE	ALDRIN	DIELDRIN	ENDRIN	ISODRIN	CHLORDANE	DIMP
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4-SW	33	30-002	12/12/85	13:00			<0.130	<9.31	<13.0	NA	<0.070	<0.050	<0.070	<0.060	<0.050	<0.060		<10.0
T4SW2	27	30-002	06/30/86	14:35			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	35	30-002	09/02/86	11:13			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	27	30-002	05/20/87	12:35	89100	<0.359	<0.130	<16.2	<12.9	<0.083	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	50	30-002	10/22/87	10:20	140000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	27	31-001	12/12/85	12:37			<0.130	<9.31	<13.0	NA	<0.070	<0.050	0.080	<0.060	<0.050	<0.060		<10.0
T4SW2	28	31-001	06/30/86	15:00			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	28	31-001	05/20/87	13:11	90300	<0.359	<0.130	<16.2	<12.9	<0.083	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	28	31-001	10/22/87	11:00	132000		0.0	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW2	29	31-002	07/01/86	11:50			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	29	31-002	09/02/86	11:51			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	29	31-002	05/27/87	12:57	82100	<0.359	<0.130	<9.31	<12.9	<0.083	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	29	31-002	10/22/87	11:30	100000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OFQ1W	47	33ADB	12/12/85	10:00			<0.130	<9.31					0.100	<0.060	0.400	<0.060		<10.0
OPSW	0	33ADB	04/15/86	08:30	50600	<0.240	<0.130	NA	NA	<0.070	<0.053	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPSW2	0	33ADB	06/16/86	12:00	45100	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPS3	0	33ADB	09/05/86	11:40	123000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS1	0	33ADB	12/17/86	09:40	101000	<0.500	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS2	0	33ADB	04/08/87	12:11	60000	<0.359	<0.130	<9.31	<12.9	NA	NA	NA	NA	NA	NA	NA		<10.5
T44OS3	0	33ADB	06/17/87	10:48	25000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS4	0	33ADB	10/23/87	10:55	65800	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	39	35-003	05/28/87	10:36	456000	<0.359	<0.130	<9.31	<12.9	<0.211	<0.097	<0.037	<0.146	4.10	1.54	<0.109	<0.233	120
T4-SW	31	36-001	12/09/85	10:12			140	70.2	2800	NA	<7.00	<5.00	<7.00	<6.00	<5.00	<6.00		32.0
T4SW2	32	36-001	07/02/86	09:20			>2.20	17.0	839	2.45	<0.700	<0.530	3.07	3.75	1.55	<0.600		<10.5
T4SW3	32	36-001	08/12/86	13:10			45.7	<9.31	304	1.25	<0.700	<0.530	0.983	5.54	1.39	<0.600		<10.5
T44SW3	32	36-001	05/27/87	09:21	86400	<0.359	66.9	31.5	>104	<4.15	<2.95	<2.30	<4.15	10.8	5.16	<2.80	<7.60	<10.5
T44SW4	32	36-001	10/30/87	09:31	136000	<0.240	<26.0	11.6	250	<1.40	<1.40	<1.06	<0.700	>20.0	<1.04	<1.20		<10.5
T4SW3	33	36-003	08/12/86	13:39			<0.130	<9.31	<12.9	<0.700	<0.700	<0.530	4.90	43.3	14.9	<0.600		<10.5
T44SW3	37	36-003	05/27/87	10:11	242000	<0.359	<0.130	<9.31	<12.9	<8.30	<5.90	<4.60	<8.30	47.9	9.63	<5.60	<15.2	27.6

RESW

PARAMETER:					DMMP	BTZ	DMDS	CPMSO2	CPMSO	CPMS	1,4-DITH	1,4-OXAT	TOLUEN	BENZENE	ETHYLBENZ	M-XYL	O&P-XYL	CL
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4-SW	33	30-002	12/12/85	13:00	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	85400
T4SW2	27	30-002	06/30/86	14:35	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	112000
T4SW3	35	30-002	09/02/86	11:13	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	115000
T44SW3	27	30-002	05/20/87	12:35	<15.2	<1.14	<1.16	<2.24	<1.90	<1.00	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	52500
T44SW4	50	30-002	10/22/87	10:20	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	94700
T4-SW	27	31-001	12/12/85	12:37	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	77200
T4SW2	28	31-001	06/30/86	15:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	73000
T44SW3	28	31-001	05/20/87	13:11	<15.2	<1.14	<1.16	<2.24	<1.90	<1.00	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	63800
T44SW4	28	31-001	10/22/87	11:00	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	
T4SW2	29	31-002	07/01/86	11:50	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	60400
T4SW3	29	31-002	09/02/86	11:51	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	82100
T44SW3	29	31-002	05/27/87	12:57	<15.2	<1.14	<1.16	<2.24	<1.90	<1.00	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	50100
T44SW4	29	31-002	10/22/87	11:30	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	65100
OFQIW	47	33ABB	12/12/85	10:00	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34		<1.35	<2.47	54800
OPSW	8	33ABB	04/15/86	08:30	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	51300
OPSW2	8	33ABB	06/16/86	12:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	38600
OPS3	8	33ABB	09/05/86	11:40	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	55300
T440S1	8	33ABB	12/17/86	09:40	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	97800
T440S2	8	33ABB	04/08/87	12:11	<15.2	NA	NA	NA	NA	NA	NA	NA	<1.21	<1.34	<1.28	<1.35	<2.47	55700
T440S3	8	33ABB	06/17/87	10:40	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	24200
T440S4	8	33ABB	10/23/87	10:55	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	53400
T44SW3	39	35-003	05/20/87	10:36	<15.2	<1.14	<1.16	162	16.7	<1.00	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	621000
T4-SW	31	36-001	12/09/85	10:12	<15.2			>110	26.0	26.0	<1.10	<2.00	31.0	40.3	6.00	<1.35	286	163000
T4SW2	32	36-001	07/02/86	09:20	17.3		<1.00	1540	87.1	0.28	<1.10	<2.00	41.2	20.2	102	<1.35	264	164000
T4SW3	32	36-001	08/12/86	13:10	<15.2		<1.00	1350	58.2	4.47	<1.10	<2.00	1.09	1.72	<1.28	<1.35	73.9	
T44SW3	32	36-001	05/27/87	09:21	<15.2	<1.14	<1.16	797	61.7	44.3	<1.59	<1.35	>8.09	176	>8.09	<1.35	>10.1	72600
T44SW4	32	36-001	10/30/87	09:31	<15.2	<2.00	<1.00	1070	58.6	>25.3	1.46	<2.00	<12.1	30.9	>89.0	<13.5	123	132000
T4SW3	33	36-003	08/12/86	13:39	<15.2		<1.00	200	12.2	<1.30	<1.10	<2.00	<1.21	<1.34	<1.28	<1.35	<2.47	
T44SW3	37	36-003	05/27/87	10:11	<15.2	<1.14	<1.16	135	25.5	<1.00	3.57	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	252000

RESW

PARAMETER:					FL	SO4	CCL4	CHCL3	CLC6H5	METHYLCL	TCLEE	11DCLE	11DCE	111TCE	112TCE	12DCLE	T12DCE	TRCLE
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD GRP.	#	SAMPLE ID	DATE	TIME														
T4-SW	33	30-002	12/12/85	13:00	<1200		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	27	30-002	06/30/86	14 35	<1200	314000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	35	30-002	09/02/86	11:13	<1200	295000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	27	30-002	05/20/87	12:35	<1220	163000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	50	30-002	10/22/87	10:20	<1220	315000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	27	31-001	12/12/85	12:37	1440		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	28	31-001	06/30/86	15:00	1600	137000	<2.40	<1.40	1.75	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	28	31-001	05/20/87	13:11	1470	150000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	28	31-001	10/22/87	11:00			<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	29	31-002	07/01/86	11:50	<1200	117000	<2.40	3.54	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	29	31-002	09/02/86	11:51	<1200	126000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	29	31-002	05/27/87	12:57	<1220	146000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	29	31-002	10/22/87	11:30	<1220	161000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPW1W	47	33ADB	12/12/85	10:00	<1200		<2.40	3.08	<0.500		<1.30						<1.20	<1.10
OPSW	8	33ADB	04/15/86	09:30	<1200	94200	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSW2	8	33ADB	06/16/86	12:00	<1200	96500	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPS3	8	33ADB	09/05/86	11:40	<1200	99300	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T440S1	8	33ADB	12/17/86	09:40	<1200	176000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T440S2	8	33ADB	04/08/87	12:11	<1220	112000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T440S3	8	33ADB	06/17/87	10:40	<1220	41800	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T440S4	8	33ADB	10/23/87	10:55	<1220	130000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	39	35-003	05/28/87	10:36	1620	464000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	31	36-001	12/09/85	10:12	1480		<2.40	561	1700	<5.00	130	<1.20	4.70	2.70	4.10	<0.610	8.81	62.0
T4SW2	32	36-001	07/02/86	09:20	1490	110000	<2.40	567	1570	7.05	90.1	<1.20	5.32	3.25	5.93	<0.610	11.3	40.7
T4SW3	32	36-001	08/12/86	13:10			<2.40	204	15.0	<5.00	43.1	<1.20	1.70	<1.70	2.12	<0.610	3.41	19.7
T44SW3	32	36-001	05/27/87	09:21	<1220	73900	<2.40	641	1210	<5.00	85.3	<1.20	5.70	2.66	3.98	<0.610	12.2	43.8
T44SW4	32	36-001	10/30/87	09:31	1420	59500	<2.40	188	1010	<5.00	66.6	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	61.3
T4SW3	33	36-003	08/12/86	13:39			<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	37	36-003	05/27/87	10:11	1340	208000	<2.40	2.14	3.02	<5.00	<1.30	<1.20	<1.10	<1.70	6.85	6.14	<1.20	<1.10

ENVIRONMENTAL SCIENCE AND ENGINEERING, INC. DATE 05/19/88 PAGE 20

RESW

PARAMETER:					DS3	SP COND	FIELD PH
UNITS:					MG/L AS N	UMHOS/CM	STD UNITS
FLD CMP.	#	SAMPLE ID	DATE	TIME			
T6-SW	33	30-002	12/12/85	13:00			
T6SW2	27	30-002	06/30/86	14:35		1400	8.29
T6SW3	35	30-002	09/02/86	11:13		1470	8.20
T46SW3	27	30-002	05/20/87	12:35	479		
T46SW4	50	30-002	10/22/87	10:20	1770		
T6-SW	27	31-001	12/12/85	12:37			
T6SW2	28	31-001	06/30/86	15:00		1100	7.64
T46SW3	28	31-001	05/20/87	13:11	5060		
T46SW4	28	31-001	10/22/87	11:00			
T6SW2	29	31-002	07/01/86	11:50		872	8.73
T6SW3	29	31-002	09/02/86	11:51		823	9.20
T46SW3	29	31-002	05/27/87	12:57	719		
T46SW4	29	31-002	10/22/87	11:30	40.1		
OPQ1D	47	33ABB	12/12/85	10:00		780	8.11
OPSW	8	33ABB	04/15/86	08:30	790	610	8.09
OPSW2	8	33ABB	06/16/86	12:00	1640	519	7.60
OPS3	6	33ABB	09/05/86	11:40	2640	650	8.06
T400S1	8	33ABB	12/17/86	09:40	2750	850	6.80
T400S2	8	33ABB	04/08/87	12:11	1760	740	7.62
T400S3	8	33ABB	06/17/87	10:40	809		
T400S4	8	33ABB	10/23/87	10:55	2470		
T46SW3	39	35-003	05/28/87	10:36	30.7		
T6-SW	31	36-001	12/09/85	10:12			
T6SW2	32	36-001	07/02/86	09:20		1350	7.95
T6SW3	32	36-001	09/12/86	13:10		1110	8.57
T46SW3	32	36-001	05/27/87	09:21	1760		
T46SW4	32	36-001	10/30/87	09:31	55.7		
T6SW3	33	36-003	08/12/86	13:39		4930	9.70
T46SW3	37	36-003	05/27/87	10:11	432		

911e

APPENDIX B.2: ALLUVIAL WATER LEVEL DATA

THIRD QUARTER FY1987 WATER TABLE MAP DATA

RMA_Data_Base

Wells used to construct the Third Quarter FY 1987 water table contour map.
(Page 1 of 13)

Well_ID	Water Level Elevation
01001	5249.8
01002	-999.9
01004	5248.8
01009	0.0
01010	5255.8
01011	5257.3
01017	5252.6
01020	-999.9
01021	5247.4
01024	5235.0
01027	5246.6
01033	5249.5
01041	5247.6
01044	5247.5
01049	5245.4
01501	5260.6
01510	5254.0
01514	5260.6
01518	5261.3
01528	5256.7
02001	5223.0
02002	5236.3
02008	5195.7
02011	5207.0
02014	5195.7
02017	-999.9
02020	5220.3
02023	5224.9
02026	5222.6
02034	5227.6
02037	5221.3
02040	5213.8
02049	5193.9
02520	5194.1
03001	5135.4
03002	5139.6
03005	5175.1
03516	5125.4
03517	5125.9
03518	5126.2
03519	-999.9
03522	5132.7
03523	5141.6
04007	5122.7
04010	5127.6
04013	5123.2
04014	5123.2

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map.
(Page 3 of 13)

Well_ID	Water Level Elevation
19001	5170.1
19004	5158.7
19008	-999.9
19009	-999.9
19010	-999.9
19014	-999.9
22002	5095.7
22003	5093.7
22004	5106.8
22005	5087.5
22006	5109.1
22007	5107.9
22008	5092.7
22010	5093.1
22011	5111.7
22012	5143.7
22014	-999.9
22015	5087.4
22016	5087.3
22017	5087.4
22018	5087.8
22019	5092.2
22020	5093.2
22021	5093.3
22022	5093.4
22025	-999.9
22029	-999.9
22033	5093.5
22034	5093.3
22036	5093.4
22040	5092.3
22043	5093.1
22045	5092.7
22049	5110.3
22050	5106.9
22051	5086.4
22052	5089.9
22053	5091.2
22054	5112.3
22056	5093.2
22059	5087.2
22060	5106.2
23002	5142.9
23003	5142.9
23004	5141.5
23006	5143.0
23007	5142.9

RMA_Data_Base

Wells used to construct the Third Quarter FY 1987 water table contour map.
(Page 4 of 13)

Well_ID	Water Level Elevation
23008	5143.7
23009	5141.4
23010	5140.1
23011	5140.8
23012	5141.4
23013	5142.7
23014	5142.7
23015	5142.9
23016	5142.9
23020	0.0
23025	5139.1
23026	5138.8
23029	5140.9
23030	5140.7
23033	5141.2
23034	5144.0
23035	-999.9
23036	5142.6
23037	0.0
23038	-999.9
23039	5118.9
23040	5130.2
23043	5131.0
23044	5131.0
23045	5128.5
23046	5126.7
23047	5126.8
23048	5127.2
23049	5143.7
23050	5141.6
23051	5141.8
23052	5141.9
23057	5142.8
23058	5141.7
23059	5146.9
23063	-999.9
23064	-999.9
23065	-999.9
23066	-999.9
23067	5142.6
23072	5141.6
23079	5143.0
23084	5141.2
23085	5139.9
23092	5129.1
23094	5142.7
23095	5142.7
23096	5142.3

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map
(Page 5 of 13)

Well ID	Water Level Elevation
23101	5142.1
23102	5142.0
23107	5143.4
23108	5142.9
23109	-999.9
23110	5127.9
23111	5130.5
23118	5138.5
23119	5139.4
23120	5138.6
23121	5138.6
23122	5139.1
23123	5139.4
23124	5134.1
23128	-999.9
23129	-999.9
23130	-999.9
23131	-999.9
23132	-999.9
23134	5141.8
23135	5145.6
23136	-999.9
23137	-999.9
23140	5142.7
23141	-888.8
23142	5142.6
23143	5142.6
23145	5140.0
23146	5140.2
23148	5141.1
23149	-999.9
23150	5140.6
23151	5140.7
23157	5139.1
23160	5140.8
23166	5134.0
23178	5136.6
23179	5142.6
23188	5142.5
23191	5142.8
23196	5122.6
23197	5125.4
23198	5127.5
23205	5139.1
23207	5140.0
23208	5140.5
23211	5140.4
24001	5141.6

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map.
(Page 6 of 13)

Well_ID	Water Level Elevation
24002	5143.3
24003	5147.4
24004	5132.7
24006	-999.9
24007	5141.1
24008	5141.7
24009	5141.6
24010	5141.9
24011	-999.9
24013	5139.8
24014	5140.1
24015	5139.9
24016	5139.4
24017	5139.6
24018	5140.1
24019	5140.7
24020	5140.3
24021	5139.8
24022	5140.0
24023	5140.5
24024	5139.7
24025	5139.2
24026	0.0
24027	5142.3
24040	0.0
24043	5143.2
24045	5141.7
24046	5141.5
24048	5141.4
24049	5141.3
24050	5142.0
24051	5142.0
24052	5142.1
24053	5142.1
24054	0.0
24055	5141.6
24056	5138.5
24057	5139.4
24058	5139.8
24062	5139.6
24064	5151.8
24065	5154.6
24067	0.0
24081	5164.5
24085	5166.1
24088	5162.3
24092	5139.6
24093	5154.2

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map.
(Page 7 of 13)

Well ID	Water Level Elevation
24094	5157.2
24095	5157.4
24096	5151.5
24097	5149.4
24098	5147.8
24099	5144.3
24100	5143.3
24101	5140.5
24102	5141.6
24103	5141.4
24104	5142.9
24105	5143.8
24106	5145.5
24107	5150.2
24110	-999.9
24111	5158.8
24112	5162.0
24113	5141.2
24114	5140.4
24115	5140.4
24117	5140.5
24121	5143.7
24122	5156.9
24123	5157.0
24128	5140.0
24129	5140.2
24149	5137.8
24150	5136.2
24151	5139.5
24158	5151.4
24161	5132.0
24162	5133.4
24163	5134.8
24164	5135.6
24165	5133.7
24166	5131.8
24169	5133.1
24170	5138.3
24176	5135.3
24177	-999.9
24178	5139.1
24179	5138.6
24180	5138.2
24181	5137.8
24182	5137.6
24183	5136.7
24185	5138.3
24186	5137.9

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map.
(Page 8 of 13)

Well_ID	Water Level Elevation
24167	5137.9
24188	5138.5
25001	5193.7
25002	-999.9
25003	5152.8
25011	5181.2
25015	5160.3
25018	5166.6
25022	5213.2
25030	-999.9
25035	5230.3
25038	5192.6
26001	-999.9
26002	5150.4
26004	-999.9
26005	5158.6
26006	5160.7
26009	5128.7
26010	5163.2
26011	5146.3
26015	5145.5
26016	5146.3
26017	5146.8
26018	5146.1
26020	5149.4
26040	5147.7
26044	5144.4
26046	5145.5
26048	5150.4
26049	5151.5
26050	5157.7
26062	5163.9
26065	5163.5
26068	5160.0
26070	-999.9
26073	5177.2
26076	5151.8
26078	-999.9
26081	5148.7
26083	5151.0
26085	5180.2
26088	5143.9
26091	5155.7
26093	5162.5
26124	5155.0
26126	5147.4
26127	5163.8
26133	5146.6

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map.
(Page 9 of 13)

Well_ID	Water Level Elevation
26143	5175.9
26145	-999.9
27002	5095.3
27003	5098.0
27004	5093.9
27005	5094.1
27006	5094.2
27007	5095.2
27008	5095.3
27009	5095.7
27010	5093.1
27011	5093.3
27012	-999.9
27013	-999.9
27015	-999.9
27016	5145.6
27017	5148.4
27018	5148.0
27019	-999.9
27024	5126.1
27025	5126.3
27026	5125.8
27028	-999.9
27030	5140.4
27031	5119.2
27032	-999.9
27034	-999.9
27037	5103.6
27040	5121.3
27041	5114.0
27042	5107.0
27043	5104.4
27044	5100.5
27045	5094.7
27050	-999.9
27051	5128.8
27053	5103.2
27056	-999.9
27059	-999.9
27062	5093.8
27063	5094.1
27064	5094.1
27066	5094.7
27068	5094.2
27070	5094.8
27071	5095.1
27072	5096.2
27073	5097.8

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map.
(Page 10 of 13)

Well ID	Water Level Elevation
27074	5097.1
27075	5096.2
27076	5096.0
27077	5095.7
27078	-888.8
27079	5119.8
27080	5120.0
27082	5111.5
27083	5102.6
28002	5096.2
28003	5096.2
28004	5097.0
28005	5097.6
28006	5097.9
28007	5098.6
28008	5098.9
28009	5099.6
28011	5100.2
28012	5100.5
28013	5100.8
28014	5100.6
28015	5101.4
28018	5101.9
28020	5101.9
28021	5101.9
28022	5103.8
28023	5098.3
28024	5098.3
28027	5101.4
28503	5108.1
28513	5105.2
30002	5171.0
30003	-999.9
30009	5197.3
31003	5231.9
31005	5202.4
31009	5216.6
32001	5233.0
33001	5115.4
33002	5118.7
33014	5102.9
33017	5118.1
33018	5102.8
33019	5103.0
33020	5102.1
33021	5102.9
33022	5103.0
33023	5103.2

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map.
(Page 11 of 13)

Well ID	Water Level Elevation
33024	5103.0
33025	5102.0
33030	5116.7
33033	5110.0
33048	5099.2
33049	5100.1
33050	5101.2
33051	5102.0
33052	5102.2
33053	5102.0
33054	5102.0
33060	5107.8
33061	5107.9
33062	5106.5
33063	5106.9
33064	5111.7
33065	5111.8
33066	5111.4
33067	5111.2
33068	5111.3
33069	5111.4
33070	5103.2
33071	5102.7
33072	5101.6
33073	5101.7
33077	5106.6
33500	5109.8
33501	5118.0
33502	5113.1
33505	5104.0
33506	5103.5
33507	5102.7
33508	-999.9
33509	5103.9
33510	5107.5
33511	5107.8
33512	5107.9
33533	5102.5
33534	5103.1
33576	5115.2
33577	5107.1
33579	5103.9
33580	5103.0
33581	5104.6
33582	5104.0
33583	5108.3
34001	5167.0
34002	5122.0

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map.
(Page 12 of 13)

Well ID	Water Level Elevation
34005	5116.1
34008	5110.9
34515	5120.7
35006	-999.9
35007	5189.0
35018	5188.9
35023	5233.8
35025	5228.5
35026	5225.1
35031	-999.9
35034	-999.9
35037	5167.2
35040	5166.2
35047	5215.6
35048	5219.2
35052	5240.5
35053	5240.1
35058	5182.6
35061	5222.0
35065	5220.3
35069	5220.8
36001	5252.7
36013	5227.6
36017	5227.3
36050	5254.3
36054	5252.4
36060	5242.4
36063	5230.9
36065	5238.0
36067	5235.3
36073	5233.6
36074	5236.7
36075	5245.9
36076	5240.1
36077	5224.0
36081	5229.8
36082	5231.3
36084	5231.3
36085	5231.2
36087	5249.7
36089	5230.0
36091	-999.9
36093	5230.6
36103	-999.9
36109	5243.9
36112	5219.4
36137	5221.1
36141	5222.4

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map.
(Page 13 of 13)

Well ID	Water Level Elevation
36142	5223.0
36145	5228.5
36147	5217.9
37307	5127.4
37308	5123.1
37309	5119.5
37312	5133.2
37313	5106.2
37320	5101.5
37327	5115.9
37330	5093.0
37331	5093.0
37332	5087.2
37333	5087.5
37334	5091.9
37335	5089.5
37336	5073.4
37337	5068.3
37338	5129.7
37339	5121.3
37340	5102.8
37341	5070.5
37342	5099.8
37343	5106.3
37344	5089.7
37345	5078.0
37346	5080.5
37348	5057.6
37349	5045.4
37350	5041.1
37351	5055.2
37352	5042.6
37353	5036.3
37354	5033.3
37355	5039.9
37356	5019.1
37357	5017.4
37358	5094.7
37359	5085.5
37360	5081.7
37361	5063.0
37362	5129.7
37364	5002.9
37366	5296.9

CDM Data Base

CDM wells used to generate the Third Quarter FY 1987 Water Table Contour Map. (Page 1 of 3)

Well ID	Water Level Elevation
005	5125
008	5124
020	5125
025	5150
028	5153
031	5135
033	5101
034	5110
038	5113
045	5141
046	5115
048	5126
051	5125
052	5103
053	5105
056	5140
060	5146
063	5168
068	5106
071	5132
073	5139
076	5139
5461 Magnolia	5173
5471 Magnolia	5172
6871 Monaco	5131
7060 Holly	5121
7080 Kearney	5125
7091 Leyden	5125
7382-82PL	5104
CSF-101	5132
CSF-107	5133
CSF-110	5143
FIT-IM-MW-1	5174
FIT-IM-MW-2	5156
FIT-IM-MW-3	5156
FIT-IM-MW-4	5153
FIT-IM-MW-4B	5153
FIT-IM-WP-1	5175
FIT-IM-WP-2	5155
FIT-MW-1	5220
FIT-MW-10	5192
FIT-MW-11	5190
FIT-MW-12	5183
FIT-MW-2	5217
FIT-MW-3	5208
FIT-MW-4	5202
FIT-MW-5	5191

CDM Data Base

CDM wells used to generate the Third Quarter FY 1987 Water Table Contour Map. (Page 2 of 3)

Well ID	Water Level Elevation
FIT-MW-6	5192
FIT-MW-7	5188
FIT-MW-8	5178
FIT-MW-9	5199
HRS-10	5099
HRS-11	5097
HRS-12	5095
HRS-46	5139.3
HRS-48	5144
HRS-51	5239.2
HRS-55	5133
HRS-59	5141
HRS-69	5169
HRS-70	5143
HRS-72	5124
HRS-80	5120
HRS-85	5106
HRS-86	5102
LI-GW-4	5111
LI-GW-5	5110.8
MA-MW-1	5113
MA-MW-2	5112
MA-MW-3	5110
MA-MW-4	5110
NMW-1	5156
NMW-10	5156
NMW-15	5149
NMW-16	5147
NMW-17	5147
NMW-18	5147
NMW-19	5155
NMW-2	5156
NMW-20	5156
NMW-21	5156
NMW-22	5156
NMW-23	5155
NMW-24	5156
NMW-3	5156
NMW-4	5156
NMW-5	5155
NMW-6	5154
NMW-7	5154
NMW-9	5152
TAPS-004	5147
TAPS-021	5147
TAPS-031	5152
TAPS-046	5178
TAPS-049	5171

CDM Data Base

CDM wells used to generate the Third Quarter FY 1987 Water Table Contour Map. (Page 3 of 3)

Well_ID	Water Level Elevation
TAPS-061	5121
TAPS-073	5104
TAPS-082	5094
TAPS-104	5123
TAPS-126	5121
TAPS-128	5099
TAPS-170	5099

TIME AVERAGED WATER TABLE MAP DATA

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 1 of 12)

Well ID	Water Level Elevation
01001	5250.2
01002	5248.0
01003	5249.3
01004	5248.5
01008	5248.6
01010	5256.4
01011	5257.6
01017	5254.1
01020	5244.8
01021	5247.6
01024	5234.8
01027	5249.9
01033	5249.5
01038	5246.7
01041	5248.0
01044	5248.3
01049	5246.4
01501	5259.3
01513	5257.4
01514	5259.8
01518	5259.7
01527	5259.4
01528	5256.5
02001	5221.4
02002	5235.4
02008	5195.3
02011	5207.0
02014	5194.8
02017	5240.4
02020	5220.2
02023	5222.4
02026	5221.9
02034	5226.7
02037	5219.6
02040	5213.8
02049	5192.3
02520	5194.1
02546	5246.5
03001	5134.5
03002	5129.2
03005	5174.8
03516	5125.0
03517	5125.2
03518	5125.6
03519	5146.9
03521	5172.4
03522	5132.2
03523	5140.8
04007	5121.3

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 2 of 12)

Well_ID	Water Level Elevation
04010	5127.1
04013	5122.9
04017	5124.1
04019	5124.6
04021	5122.3
04024	5121.6
04026	5127.0
04038	5119.7
04042	5136.6
04044	5132.0
04524	5138.6
04525	5139.4
06001	5234.4
06002	5249.8
06003	5235.0
07001	5285.1
07003	5276.2
09001	5143.4
09002	5143.5
09005	5153.0
09006	5151.7
09007	5154.2
09008	5171.9
09010	5141.0
09011	5148.7
11002	5235.9
11005	5225.7
11006	5220.1
11007	5228.5
12001	5274.9
12002	5255.2
12005	5247.3
12007	5245.5
12008	5246.8
12009	5247.6
19001	5168.6
19004	5158.3
19008	5165.0
19009	5179.2
19010	5173.4
19014	5164.9
20001	5158.7
22001	5111.0
22003	5093.0
22004	5106.6
22007	5107.9
22008	5092.9

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 3 of 12)

Well_ID	Water Level Elevation
22009	5093.2
22010	5092.9
22011	5111.8
22012	5144.4
22014	5143.1
22015	5089.1
22016	5088.9
22017	5089.3
22018	5089.5
22019	5092.7
22025	5110.9
22029	5112.2
22034	5092.7
22035	5091.6
22036	5093.1
22044	5107.6
22045	5093.8
22049	5110.4
22050	5106.4
22051	5092.4
22052	5091.0
22053	5090.8
22054	5112.6
22059	5089.0
22060	5106.2
23002	5143.5
23003	5143.8
23004	5142.5
23006	5143.8
23007	5143.5
23008	5143.9
23009	5142.2
23010	5141.1
23011	5141.8
23012	5142.3
23013	5143.7
23014	5143.3
23015	5143.4
23016	5143.5
23033	5141.9
23036	5143.3
23037	5147.6
23038	5116.5
23039	5121.1
23040	5129.0
23050	5142.9
23051	5142.8
23052	5142.7

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 4 of 12)

Well ID	Water Level Elevation
23057	5141.3
23058	5142.5
23059	5147.1
23063	5132.2
23064	5126.8
23065	5117.6
23066	5114.7
23067	5145.2
23072	5142.4
23073	5[illegible]2.8
23079	5142.9
23082	5143.0
23084	5142.3
23085	5141.5
23094	5143.3
23095	5143.6
23096	5142.6
23101	5143.0
23102	5143.2
23107	5143.5
23108	5143.1
23109	5145.5
23110	5129.7
23111	5131.8
23115	5139.6
23124	5134.9
23128	5146.3
23129	5149.0
23130	5145.4
23131	5147.3
23132	5145.7
23135	5145.7
23136	5149.1
23137	5149.4
23140	5143.3
23141	5146.2
23142	5143.2
23143	5143.4
23147	5144.3
23148	5141.2
23149	5148.3
23150	5141.4
23151	5141.5
23160	5141.3
23166	5135.3
23179	5143.4
23188	5143.3
23191	5143.3

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 5 of 12)

Well ID	Water Level Elevation
23196	5123.5
23197	5126.0
23198	5128.8
23205	5139.4
23206	5139.7
23207	5140.7
23208	5141.2
23211	5141.0
24001	5142.2
24002	5143.9
24003	5147.1
24006	5132.3
24007	5141.7
24008	5142.2
24008	5142.9
24010	5142.9
24011	5145.2
24023	5141.4
24026	5133.8
24027	5143.2
24028	5147.1
24042	5141.6
24048	5142.1
24049	5142.2
24052	5142.2
24053	5143.0
24054	5142.5
24055	5142.6
24064	5151.8
24065	5254.1
24066	5129.3
24067	5115.4
24081	5165.0
24084	5166.5
24085	5165.9
24088	5161.6
24092	5141.7
24093	5154.2
24094	5156.7
24095	5157.3
24096	5151.0
24097	5159.7
24098	5148.1
24099	5144.8
24100	5144.0
24101	5141.1
24102	5141.7

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 6 of 12)

Well ID	Water Level Elevation
24103	5141.9
24104	5142.2
24105	5142.4
24106	5144.4
24107	5148.9
24110	5146.4
24111	5159.2
24112	5161.4
24113	5142.2
24114	5141.2
24115	5141.8
24116	5141.8
24117	5140.4
24121	5144.1
24122	5157.0
24123	5157.1
24158	5150.2
24161	5132.1
24163	5133.6
24164	5133.7
24166	5129.4
24169	5133.5
24173	5131.8
24176	5132.1
24177	5137.1
24178	5139.1
24179	5138.8
24180	5138.6
24181	5138.4
24183	5135.9
24185	5138.7
24186	5137.6
24188	5137.9
25001	5193.9
25002	5251.0
25003	5152.9
25011	5181.4
25015	5161.5
25018	5166.8
25022	5214.1
25030	5188.0
25035	5230.4
25038	5191.7
26001	5144.9
26002	5150.7
26004	5159.9
26005	5159.3

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 7 of 12)

Well_ID	Water Level Elevation
26006	5159.0
26007	5153.2
26008	5146.5
26009	5145.5
26010	5163.6
26011	5146.6
26012	5173.0
26014	5146.5
26015	5146.3
26016	5146.6
26017	5147.0
26018	5146.6
26020	5149.9
26026	5159.1
26036	5149.1
26039	5146.8
26040	5147.8
26044	5145.4
26045	5146.2
26046	5145.6
26048	5150.6
26049	5151.6
26050	5158.3
26062	5164.8
26065	5164.0
26068	5160.2
26070	5165.0
26073	5177.5
26076	5152.3
26078	5150.0
26083	5151.2
26085	5180.7
26088	5142.9
26091	5159.1
26092	5149.7
26093	5164.9
26124	5155.4
26125	5146.9
26127	5164.6
26133	5147.0
26143	5175.9
26145	5140.9
27001	5093.2
27002	5094.8
27003	5098.1
27004	2093.7
27005	5094.2
27006	2094.2

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 8 of 12)

Well_ID	Water Level Elevation
27007	5095.1
27008	5095.8
27009	5095.5
27010	5093.2
27011	5093.2
27012	5147.6
27013	5144.8
27014	5147.9
27015	5147.9
27016	5145.8
27017	5148.1
27018	5148.3
27019	5148.6
27024	5125.8
27025	5126.2
27026	5125.0
27027	5124.6
27028	dry
27029	5124.9
27030	5122.1
27031	5108.7
27032	dry
27034	dry
27035	5111.7
27036	5110.1
27037	5103.4
27040	5120.6
27041	5113.5
27042	5106.6
27043	5104.2
27044	5100.3
27050	dry
27051	5128.0
27053	5101.9
27056	5098.7
27059	5127.6
27062	5094.4
27063	5094.2
27072	5096.3
27073	5098.4
27074	5097.1
27075	5096.4
27076	5096.0
27077	5096.0
27078	5095.4
27079	5119.8
27080	5120.1
27081	5119.6

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 9 of 12)

Well ID	Water Level Elevation
27082	5111.7
27083	5103.0
28002	5096.1
28003	5096.1
28004	5096.9
28005	5097.6
28006	5098.0
28007	5098.4
28008	5098.4
28009	5099.0
28010	5099.3
28011	5100.1
28012	5100.4
28013	5100.6
28014	5100.5
28015	5101.1
28016	5101.3
28017	5100.4
28018	5102.1
28019	5102.3
28020	5102.2
28021	5101.9
28022	5103.8
28023	5098.2
28503	5106.1
28513	5104.4
30001	5184.3
30002	5169.6
30003	5207.3
30009	5196.3
31001	5216.2
31003	5232.8
31005	5201.6
31009	5216.9
32001	5232.2
33001	5115.0
33002	5118.2
33011	5103.7
33012	5101.2
33013	5098.1
33014	5103.0
33017	5117.4
33030	5115.6
33033	5110.3
33060	5107.7
33061	5107.1
33062	5106.8

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 10 of 12)

Well ID	Water Level Elevation
33063	5106.6
33070	5102.9
33071	5102.2
33072	5101.3
33073	5101.1
33077	5106.6
33505	5104.9
33506	5103.2
33507	5101.0
33508	5104.3
33509	5103.6
33510	5107.1
33511	5107.0
33512	5111.2
33580	5102.8
33581	5104.1
33582	5204.8
34001	5167.1
34002	5121.9
34005	5115.5
34008	5110.3
34515	5120.5
35001	5223.8
35002	5221.8
35006	5191.4
35007	5189.1
35018	5189.5
35020	5222.4
35022	5230.6
35023	5233.4
35025	5228.8
35029	5223.6
35031	5175.6
35034	5188.9
35037	5167.7
35040	5166.7
35042	5170.5
35043	5184.0
35045	5218.6
35046	5200.9
35047	5216.4
35048	5218.5
35052	5240.5
35053	5240.0
35058	5181.9

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 11 of 12)

Well ID	Water Level Elevation
35065	5220.8
35069	5221.2
35075	5220.4
35076	5219.6
36001	5252.3
36013	5227.8
36014	5227.5
36016	5226.3
36017	5227.0
36021	5225.4
36022	5224.7
36041	5231.8
36048	5241.8
36049	5248.3
36050	5251.6
36053	5252.6
36054	5252.2
36058	5250.2
36060	5241.0
36063	5232.0
36065	5237.6
36067	5235.4
36070	5228.5
36073	5233.1
56074	5234.2
36075	5246.4
36076	5239.4
36077	5224.3
36080	5230.6
36081	5229.8
36082	5230.0
36084	5231.7
36085	5230.3
36087	5250.3
36088	5229.4
36089	5230.4
36091	5231.9
36093	5230.5
36101	5230.4
36103	5231.7
36109	5247.3
36112	5220.3
36135	5227.5
36137	5221.5
36141	5223.0
36142	5223.4
36145	5228.6
37304	5120.8

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 12 of 12)

Well ID	Water Level Elevation
37308	5123.4
37309	5119.8
37313	5105.1
37321	5100.9
37323	5118.4
37327	5115.5
37330	5093.7
37331	5093.8
37333	5089.6
37334	5092.6
37335	5090.7
37336	5075.4
37337	5055.5
37339	5121.7
37340	5103.1
37341	5071.3
37342	5100.5
37343	5105.3
37344	5090.6
37345	5076.0
37346	5080.2
37347	5064.6
37348	5058.5
37349	5047.2
37350	5042.6
37351	5055.6
37352	5043.8
37353	5036.5
37354	5033.7
37355	5039.7
37356	5017.9
37357	5017.0
37358	5094.7
37360	5081.4
37361	5062.8
37363	5036.8
37364	5001.7
37366	5296.7
37369	5120.2
37370	5110.0
37373	5109.3
37374	5108.9
37377	5112.4
37378	5112.2
37385	5085.1

Chen & Associates Data Base

Wells used to construct the Time Averaged Water Table Map (1981-1987).
Water level information Chen & Associates' Stapleton data. (Page 1 of 1)

Well_ID	Water Level Elevation
07006	5266.1
07012	5278.0
07013	5283.0
07014	5302.0
08007	5278.7
08008	5287.6
08010	5294.0
08013	5303.9
08015	5296.4
08017	5302.2
11009	5208.1
11011	5222.0
11012	5228.5
11013	5228.5
11014	5240.7
11015	5238.5
11016	5211.8
11017	5235.0
11018	5245.7
11019	5250.1
12010	5239.6
12012	5247.4
12014	5255.0
12015	5268.6
12016	5258.9
12017	5247.4
12020	5257.2
12022	5270.5
12023	5275.7

MKE Data Base

Additional wells used for the Time Average Water Table Map 1981-1987. MKE water level information. (Page 1 of 1)

Well_ID	Elevation
01004	5065
01019	5040
01023	5032
02002	5040
02010	5039
03003	5015
03007	5013
04001	5014
04001	5298
04601	5283
09001	5287
09006	5045
09008	5032
09026	5047
09603	5294
10002	5228
11005	5070
11015	5073
11016	5077
11017	5078
17001	5132
35003	5014
35010	5019
36002	5045
36012	5020
36014	5030

CDM Data Base

Additional water level information used to construct Time Average Water Table Map 1981-1987 (CDM data). (Page 1 of 2)

Well ID	Water Level Elevation
FIT-MW-12	5183
FIT-MW-2	5217
FIT-MW-3	5208
FIT-MW-4	5202
FIT-MW-5	5191
FIT-MW-6	5192
FIT-MW-7	5188
FIT-MW-8	5178
FIT-MW-9	5199
SAC-MW-2	5119
SAC-MW-3	5132
SAC-MW-4	5152
SAC-MW-5	5173
SAC-MW-6	5179
SAC-MW-8	5155
SAC-MW-9	5203
SC-15B	5158
SC-16B	5158
NMW-10	5156
NMW-15	5149
NMW-16	5147
NMW-17	5147
NMW-18	5147
NMW-19	5155
NMW-2	5156
NMW-20	5156
NMW-21	5156
NMW-22	5156
NMW-23	5155
NMW-24	5156
NMW-3	5156
NMW-4	5156
NMW-5	5155
NMW-6	5154
NMW-7	5154
NMW-9	5152
SAC-MW-1	5097
SAC-MW-11	5136
DC-GW-1	5217
DC-GW-3	5192
FIT-IM-MW-1	5174
FIT-IM-MW-2	5156
FIT-IM-MW-3	5153

CDM Data Base

Additional water level information used to construct Time Average Water Table Map 1981-1987 (CDM data). (Page 2 of 2)

Well ID	Water Level Elevation
FIT-IM-MW-4	5153
FIT-IM-MW-4B	5153
FIT-IM-WP-1	5175
FIT-IM-WP-2	5155
FIT-IM-WP-3	5155
FIT-MW-1	5220
FIT-MW-10	5192
FIT-MW-11	5190

APPENDIX B.3: DENVER FM WATER LEVEL DATA

ESE Data Base

Water level information used to construct the Potentiometric Surface Map. Denver Fm Zone A. (Pa_- 1 of 2)

Well ID	3rd Quarter FY 1987 Water Level Elevation
30004	5195.4
29002	5214.8
25008	5182.1
25033	5182.3
25023	5215.1
35024	5233.8
35055	5232.4
35073	5238.1
35015	5239.7
35071	5241.8
36121	5195.4
36146	5227.5
36105	5216.2
36110	5243.7
36066	5230.9
36119	5239.0
31007	5199.5
31011	5222.4
32002	5224.0
06004	5233.9
06005	5234.0
01040	5239.7
01034	5241.3
01035	5241.6
01032	5241.9
01042	5241.0
01045	5245.6
01050	5244.9
01028	5244.5
01025	5234.2
01022	5246.2
02047	5243.7
02004	5244.5
02045	5245.5
02043	5240.3
02018	5228.2
02030	5244.0
02038	5220.9

ESE_Data_Base

Water level information used to construct the Potentiometric Surface Map. Denver Fm Zone A. (Page 2 of 2)

Well_ID	3rd Quarter FY 1987 Water Level _Elevation_
02024	5229.5
02035	5227.5
02032	5238.1
11004	5226.4
12004	5244.5

Wells 36116, 35054, 02044, 02041, and 02019 exhibited water levels between those of zone A and lu. Well 01031 exhibited a water level between that of the alluvium and the A zone. Well 02021 and 08005 exhibited water levels representative of the lu.

ESE_Data_Base

Water level information used to construct the Potentiometric Surface Map. Denver Fm Zone lu (Page 1 of 1)

Well_ID	3rd Quarter FY 1987 Water Level Elevation
25028*	5181.0
25024	5202.3
25039	5193.2
30006	5184.2
30005	5180.6
29003	5175.7
26097	5183.8
26054	5199.2
26056	5187.1
26063	5183.8
26064	5174.4
26096	5189.0
35012	5190.5
35016	5190.6
35009	5194.5
35050*	5202.0
35051	5201.8
35005	5178.6
35067	5205.6
35070	5212.5
35062*	5214.4
35059	5182.4
35056	5199.0
36147	5217.9
36083	5223.5
36104	5225.8
31008	5194.9
01029*	5222.3
01023	5229.0
02048	5204.4
02042	5200.1
02015	5185.2
02039	5206.0
02031	5203.3
02025	5209.2
02036	5214.2
02033	5214.5
02021*	5217.3
02028	5127.6
02012	5207.2
08005	5249.8

* Wells 35050, 02021, 01029, and 35062 are screened in the AL above the LA, which is fractured and connects these AL's with the lu.

ESE_Data_Base

Water level information used to construct the Potentiometric Surface Map. Denver Fm Zone 1. (Page 1 of 1)

Well_ID	3rd Quarter FY 1987 Water Level Elevation
19017	5165.8
19007	5155.7
19003	5164.7
19001	5170.1
24108	5153.4
24089	5160.0
24087	5168.1
24086	5166.6
24083	5166.0
24082	5165.6
24125	5162.5
24080	5160.6
24124	5158.7
23016	5142.9
30007	5167.5
30010	5192.8
25009	5175.3
25037	5179.6
25012	5182.5
25007	5180.7
25040	5192.5
26123	5156.9
26019	5149.7
26022	5150.5
26023	5150.2
26026	5156.5
26071	5158.3
26066	5162.2
26053	5170.5
26128	5165.5
26052	5166.8
26140	5165.8
26144	5170.5
26075	5168.8
26086	5173.3
26057	5182.9
26058	5187.3
36079	5195.1
35032	5168.9
35038	5166.3
35036	5178.5
35017	5189.3
34012	5161.2

ESE Data Base

Water level information used to construct the Potentiometric Surface Map. Denver Fm Zone 2. (Page 1 of 2)

Well ID	3rd Quarter FY 1987 Water Level Elevation
19018	5163.0
19002	5169.7
19015	5166.9
24182	5137.6
24167	5134.1
24127	5139.9
24135	5139.7
24184	5139.5
23204	5132.6
23203	5130.1
23202	5129.9
23177	5135.7
23144	5138.8
23182	5113.6
23186	5129.0
23189	5142.0
23181	5142.3
30011	5187.4
25019	5164.2
25016	5155.9
25017	5153.6
25010	5170.6
25013	5178.6
26043	5145.5
26146	5138.0
26082	5146.8
26084	5149.4
26141	5154.8
26134	5152.4
26072	5152.7
26077	5150.9
26079	5149.0
26067	5153.2
26061	5145.8
26089	5143.6
26069	5153.5
26060	5153.7
26092	5151.1
26094	5152.3
27049	5141.8
32003	5186.6
36114	5192.6
35068	5193.0
35033	5162.5
35039	5145.0
35041	5145.8

ESE Data Base

Water level information used to construct the Potentiometric Surface Map. Denver Fm Zone 2. (Page 2 of 2)

Well ID	3rd Quarter FY 1987 Water Level Elevation
34006	5116.8
01048	5199.5
02013	5183.5
02009	5177.8
03006	5166.9
09003	5140.9
37387	5119.6
37323	5118.8

ESE_Data_Base

Water level information used to construct the Potentiometric Surface Map. Denver Fm Zone 3. (Page 1 of 1)

Well_ID	3rd Quarter FY 1987 Water Level Elevation
37371	5110.0
37379	5107.3
19016	5147.1
37376	5129.8
24120	5141.9
24136	5139.8
24168	5134.0
24174	5134.9
23161	5127.8
23209	5136.7
23190	5142.0
23192	5141.6
23200	5130.4
22027	5108.6
37382	5086.6
30008	5156.8
26138	5148.4
26080	5145.0
26142	5154.5
26090	5144.4
26147	5134.8
28030	5102.0
34009	5111.1
34003	5121.7
03003	5130.9
27057	5098.4

ESE_Data_Base

Water level information used to construct the Potentiometric Surface Map. Denver Fm Zone 4. (Page 1 of 1)

Well_ID	3rd Quarter FY 1987 Water Level Elevation
37372	5109.7
37388	5102.2
37317	5106.3
37380	5106.8
37365	5105.5
24159	5147.9
24137	5138.3
24175	5136.0
23169	5133.3
23183	5112.2
23187	5120.7
23201	5129.7
22002	5095.7
22028	5102.3
22030	5099.2
22023	5091.5
26135	5152.8
27054	5071.5
28028	5099.8
34004	5121.0
34007	5117.0
34010	5111.2
33015	5108.3
33016	5113.0
33034	5110.0

APPENDIX B.4: ALLUVIAL AND DENVER FM AQUIFER TEST DATA

ALLUVIAL SLUG TESTS

2.3 TESTS IN ALLUVIUM (SORTED)   UPDATE: 04-08-88

INDEX NUMBER	DESIGNATION BORING	DESIGNATION SWN	SECTION	UTM COORDINATES EASTING	UTM COORDINATES NORTHING	SCREENED INTERVAL TOP (ft.BGS)	SCREENED INTERVAL BOTTOM (ft.BGS)	TEST TYPE	HYDR COND (X 10-4 cm/s)	HYDR COND (cm/s)	LOG HYDR COND	TEST INTERVAL THICKNESS (ft)	TRANSMISSIVITY (gpd/ft)	REFERENCE
1	748	1017	1	513815.9	4407833.2	10.6	14.0	FH	7.41	7.4E-04	-3.130			BROUGHTON ET AL (1979)
2	916	19001	17	514779.8	4411623.3	23.6	37.6	RH	19.1	1.9E-03	-2.719	34.5	1397	ZEBELL (1979)
3	917	19002	19	514901.6	4411623.2	37.0	45.0	RH	1.74	1.7E-04	-3.759	36.6	135	ZEBELL (1979)
4	918	19003	19	514965.0	4411829.8	13.0	21.0	NT				0.3		ZEBELL (1979)
5	919	19004	19	515026.1	4412030.2	13.0	21.0	RH	28.2	2.8E-03	-2.550	13.6	813	ZEBELL (1979)
6	928	19005	19	514934.7	4412240.7	21.0	30.0	RH**	6.02	6.0E-04	-3.220	13.9	177	ZEBELL (1979)
7	930	19007	19	515034.6	4412454.9	22.1	30.1	RH	1.62	1.6E-04	-3.790	18.2	63	ZEBELL (1979)
8	931	19008	19	514983.3	4412655.1	15.4	24.5	NT						ZEBELL (1979)
9	944	19009	19	514913.6	4412820.3	15.0	25.0	NT						ZEBELL (1979)
10	945	19010	19	514535.0	4412760.7	25.0	34.9	NT						ZEBELL (1979)
11	900	23139	23	511938.1	4412261.5	12.1	20.1	NT						ZEBELL (1979)
12	901	23140	23	512245.2	4412250.0	35.6	54.6	NT				9.6		ZEBELL (1979)
13	902	23141	23	512077.7	4412203.2	39.0	55.0	NT				9.8		ZEBELL (1979)
14	903	23142	23	512154.3	4411961.1	38.0	56.4	FH	4.5	4.5E-04	-3.347	12.7	121	ZEBELL (1979)
15	904	23143	23	512053.4	4411304.1	38.1	54.1	NT				2.9		ZEBELL (1979)
16	950	23145	23	512619.1	4412953.9	16.0	30.0	RH	13.3	1.3E-03	-2.876	6.2	231	ZEBELL (1979)
17	951	23146	23	512521.6	4412755.4	16.1	33.0	RH	39.5	4.0E-03	-2.403	6.1	578	ZEBELL (1979)
18	952	23147	23	512424.1	4412959.9	16.0	26.0	RH	0.14	1.4E-05	-4.854	7.2	2	ZEBELL (1979)
19	953	23148	23	512325.7	4412963.2	5.4	9.4	NT				0.0		ZEBELL (1979)
20	954	23149	23	512301.4	4412870.7	7.3	11.0	NT				0.0		ZEBELL (1979)
21	955	23150	23	512379.3	4412835.5	22.0	30.0	NT				5.5		ZEBELL (1979)
22	956	23151	23	512432.5	4412776.8	37.0	45.0	NT				5.1		ZEBELL (1979)
23	957	23160	23	513132.0	4412704.9	22.1	30.1	RH	1.57	1.6E-04	-3.804	13.3	44	ZEBELL (1979)
24	745	24029	24	513932.4	4413071.7	20.3	24.3	RH	0.151	1.5E-05	-4.821	24.4	8	ZEBELL (1979)
25	747	24030	24	514084.0	4413072.7	19.4	23.4	RH	0.385	3.9E-05	-4.413	18.6	15	ZEBELL (1979)
26	749	24031	24	514276.8	4413073.7	26.4	34.4	RH	399	4.0E-02	-1.399	11.8	9983	ZEBELL (1979)
27	634	24048	24	513421.4	4412262.0	27.9	33.9	RH	2424	2.5E-01	-0.605	15.0	79603	ZEBELL (1979)
28	695	24047	24	513269.1	4412357.7	44.2	48.2	RH	1113	1.1E-01	-0.954	24.2	57110	ZEBELL (1979)
29	533	24054	24	514030.5	4412233.9	21.0	25.0	NT				11.3		ZEBELL (1979)
30	936	24059	24	513889.3	4411619.2	27.5	39.6	FH	4.92	4.9E-04	-3.305	10.9	114	ZEBELL (1979)
31	909	24061	24	513925.3	4411626.9	31.0	47.0	RH	35.6	3.6E-03	-2.449	15.9	1200	ZEBELL (1979)
32	910	24062	24	514047.6	4411625.8	25.0	40.0	RH	162	1.6E-02	-1.790	18.8	5458	ZEBELL (1979)
33	911	24083	24	514170.4	4411626.5	30.2	45.2	RH	63.7	6.4E-03	-2.196	25.4	3431	ZEBELL (1979)
34	912	24084	24	514293.5	4411625.2	21.4	37.4	RH	99.1	9.9E-03	-2.004	22.5	4938	ZEBELL (1979)
35	913	24085	24	514414.8	4411625.1	19.0	35.0	NT				25.9		ZEBELL (1979)
36	914	24086	24	514535.7	4411624.1	33.9	49.9	RH	185	1.9E-02	-1.733	32.6	12788	ZEBELL (1979)
37	915	24087	24	514658.2	4411623.4	25.5	41.0	RH	86.8	8.7E-03	-2.061	32.6	6000	ZEBELL (1979)
38	920	24088	24	514539.0	4411939.4	20.5	30.0	RH	482	4.8E-02	-1.317	19.7	20133	ZEBELL (1979)
39	922	24090	24	513566.6	4411917.5	31.0	46.0	NT				0.9		ZEBELL (1979)
40	923	24091	24	513359.9	4411996.0	***	***	NT				26.4		ZEBELL (1979)
41	924	24092	24	513472.1	4412062.5	25.1	45.1	RH	623	6.2E-02	-1.205	16.0	21135	ZEBELL (1979)
42	925	24093	24	514214.2	4412224.1	27.6	40.9	RH	7.84	7.8E-04	-3.106	22.5	374	ZEBELL (1979)
43	926	24094	24	514459.3	4412234.3	28.3	40.3	RH	353	3.5E-02	-1.452	25.3	18976	ZEBELL (1979)
44	927	24095	24	514702.8	4412235.0	5.0	15.0	NT				5.1		ZEBELL (1979)
45	932	24096	24	514527.9	4412551.3	10.6	19.6	RH	970	9.9E-02	-1.004	8.7	18262	ZEBELL (1979)
46	933	24097	24	514153.5	4412469.6	27.5	39.5	RH	300	3.0E-02	-1.523	24.9	15775	ZEBELL (1979)
47	934	24098	24	514045.4	4412470.5	20.5	32.6	RH	8.24	8.2E-04	-3.034	21.7	379	ZEBELL (1979)
48	935	24099	24	513878.5	4412435.2	19.0	35.0	RH	64.3	6.4E-03	-2.172	29.6	2859	ZEBELL (1979)

SLUG TESTS IN ALLUVIUM (SORTED)   UPDATE: 04-08-85

INDEX NUMBER	DESIGNATION BORING	DESIGNATION RMA	SECTION	UTM COORDINATES EASTING	UTM COORDINATES NORTHING	SCREENED INTERVAL TOP (ft.BGS)	SCREENED INTERVAL BOTTOM (ft.BGS)	TEST TYPE	HYDR COND (X 10-4 cm/s)	HYDR COND (cm/s)	LOG HYDR COND	TEST INTERVAL THICKNESS (ft)	TRANSMISSIVITY (gpd/f)	REFERENCE
49	936	24100	24	513777.1	4412489.7	23.6	39.3	RH	48.8	4.9E-03	-2.312	13.2	1366	ZEBELL (1979)
50	937	24101	24	513297.4	4412856.1	27.0	34.0	RH	4.86	4.9E-04	-3.312	15.5	160	ZEBELL (1979)
51	938	24102	24	513786.3	4412677.1	17.1	25.1	RH	142	1.4E-02	-1.848	16.8	5658	ZEBELL (1979)
52	939	24103	24	513861.0	4412725.7	22.0	30.0	RH	0.007	7.0E-07	-6.155	22.7	0	ZEBELL (1979)
53	940	24104	24	514059.5	4412765.7	17.0	25.0	NT				20.1		ZEBELL (1979)
54	941	24105	24	514187.5	4412768.0	7.0	15.0	RH	222	2.2E-02	-1.654	12.8	6025	ZEBELL (1979)
55	942	24106	24	514363.0	4412769.5	12.0	20.0	RH	15.3	1.5E-03	-2.815	14.4	46[illegible]	ZEBELL (1979)
56	943	24107	24	514676.1	4412744.9	27.0	35.0	NT				15.9		ZEBELL (1979)
57	946	24108	24	514697.1	4413107.3	31.9	39.9	NT						ZEBELL (1979)
58	947	24109	24	514524.3	4412952.9	47.1	55.1	NT						ZEBELL (1979)
59	948	24110	24	514444.0	4412363.2	3.5	11.5	NT						ZEBELL (1979)
60	957	24111	24	513810.9	4411909.1	13.0	30.0	NT				1.7		ZEBELL (1979)
61	958	24112	24	514356.4	4411913.5	36.6	50.0	RH	44.2	4.4E-03	-2.355	31.1	2915	ZEBELL (1979)
62	959	24113	24	513474.9	4412599.5	37.0	45.0	RH	40	4.0E-03	-2.398	21.7	1840	ZEBELL (1979)
63	960	24114	24	513527.3	4412778.8	37.1	45.1	RH	0.27	2.9E-05	-4.538	20.6	15	ZEBELL (1979)
64	961	24115	24	513718.9	4412749.7	22.0	30.0	RH	105	1.1E-02	-1.975	17.9	4023	ZEBELL (1979)
65	962	24116	24	513260.9	4412222.6	22.0	30.0	NT				23.9		ZEBELL (1979)
66	963	24117	24	513731.6	4412631.4	12.0	20.0	NT				16.7		ZEBELL (1979)
67	378	24121	24	513194.8	4411533.5	37.4	45.4	FH	36.4	1.6E-03	-2.785	3.0	104	ZEBELL (1979)
68	379	24122	24	513270.7	4411633.1	31.6	39.6	NT				0.5		ZEBELL (1979)
69	380	24123	24	513422.7	4411631.9	32.9	40.9	FH	0.371	3.7E-05	-4.431	3.2	4	ZEBELL (1979)
70	382	24124	24	513575.1	4411630.7	32.4	40.4	FH	2.36	2.4E-04	-3.627	5.2	26	ZEBELL (1979)
71	365	24125	24	513803.0	4411629.1	35.9	44.8	RH	52.6	5.3E-03	-2.279	15.5	1729	ZEBELL (1979)
72	372	24126	24	513956.5	4412234.0	27.4	35.4	FH	131	1.3E-02	-1.883	15.7	4639	ZEBELL (1979)
73	965	24128	24	513343.3	4412936.4	25.0	30.0	NT				12.9		ZEBELL (1979)
74	967	24129	24	513432.0	4412940.8	20.2	30.2	[illegible]	167	1.7E-02	-1.777	13.5	4730	ZEBELL (1979)
75	907	25003	25	513195.7	4411527.5	25.5	40.5	NT				2.4		ZEBELL (1979)
76	402	26014	26	512225.5	4411426.4	40.8	44.5	FH	3.75	3.8E-04	-3.426	2.3	16	ZEBELL (1979)
77	405	26015	26	512141.1	4411461.8	48.0	52.0	FH	36.7	3.7E-03	-2.435	2.5	195	ZEBELL (1979)
78	415	26016	26	512021.2	4411475.3	40.2	44.2	FH	59.9	6.0E-03	-2.223	2.3	356	ZEBELL (1979)
79	414	26017	26	511920.6	4411407.6	43.5	47.5	FH	113.2	1.1E-02	-1.946	3.4	815	ZEBELL (1979)
80	415	26018	26	511655.5	4411319.3	45.8	50.8	FH	0.769	7.7E-05	-4.114	3.6	6	ZEBELL (1979)
81	420	26039	26	512353.5	4411356.4	56.8	60.8	FH	17.9	1.8E-03	-2.747	9.2	349	ZEBELL (1979)
82	803	26079	26	512072.0	4410593.2	26.0	34.0	FH	1.134	1.1E-04	-3.945			BOPP ET AL (1979)
83	804	26073	26	512941.9	4410605.1	46.2	55.2	FH	41.57	4.2E-03	-2.377			BOPP ET AL (1979)
84	807	26081	26	511581.7	4411235.5	17.9	27.6	FH	2.277	2.3E-04	-3.643			BOPP ET AL (1979)
85	808	26083	26	511707.7	4411107.8	17.0	27.0	FH	2.441	2.4E-04	-3.612			BOPP ET AL (1979)
86	809	26085	26	512652.5	4410400.1	22.9	32.1	FH	9.735	9.7E-04	-3.012			BOPP ET AL (1979)
87	810	26087	26	511780.3	4411309.1	27.7	35.0	FH	5.986	6.0E-04	-3.223			BOPP ET AL (1979)
88	812	26088	26	511619.4	4410312.4	32.0	35.0	FH	0.435	4.4E-05	-4.359			BOPP ET AL (1979)
89	815	26093	26	511752.6	4410051.8	10.7	20.7	FH	0.083	8.3E-06	-5.081			BOPP ET AL (1979)
90	905	26123	26	513019.3	4411762.1	35.4	45.4	FH	0.505	5.1E-05	-4.294	0.2	0	ZEBELL (1979)
91	906	26124	26	513107.2	4411445.1	35.0	45.0	FH	3.12	3.1E-04	-3.506	2.6	17	ZEBELL (1979)
92	910	26122	26	512556.9	4411434.2	65.1	85.1	NT				1.9		ZEBELL (1979)
93	752	31003	31	514935.7	4406469.9	16.6	20.0	FH	11.2	1.1E-03	-2.951	0.5	12	BROUGHTON ET AL (1979)
94	725	35016	35	512641.9	4409983.1	20.0	23.4	FH	1.6	1.6E-04	-3.796	5.0	17	BROUGHTON ET AL (1979)
95	724	35020	35	513078.5	4409549.5	10.2	13.6	FH	2.08	2.1E-04	-3.682	12.8	56	BROUGHTON ET AL (1979)
96	7[illegible]	35022	35	513133.5	4409034.8	21.3	25.2	FH	5.56	5.9E-04	-3.231	6	117	BROUGHTON ET AL (1979)

BEST AVAILABLE COPY

SLUG TESTS IN ALLUVIUM (SORTED)   UPDATE: 04-03-88

INDEX NUMBER	DESIGNATION BORING	DESIGNATION RMA	SECTION	UTM COORDINATES EASTING	UTM COORDINATES NORTHING	SCREENED INTERVAL TOP (ft.BGS)	SCREENED INTERVAL BOTTOM (ft.BGS)	TEST TYPE	HYDR COND (X 10-4 cm/s)	HYDR COND (cm/s)	LOG HYDR COND	TEST INTERVAL THICKNESS (ft)	TRANSMISSIVITY (gpd/ft)	REFERENCE
97	732	35026	35	512844.7	4409424.3	17.2	20.6	FH	7.78	7.8E-04	-3.109	4.1	69	BROUGHTON ET AL (1979)
98	822	35042	35	511623.8	4409625.0	27.0	35.0	FH	11.9	1.2E-03	-2.924			ROFF ET AL (1979)
99	706	36058	36	513498.8	4408498.0	17.6	21.0	SLUG	40.2	4.0E-03	-2.396	6.7	567	BROUGHTON ET AL (1979)
100	713	36054	36	514267.1	4409958.7	18.3	21.7	SLUG	30.1	3.0E-03	-2.521			BROUGHTON ET AL (1979)
101	711	36065	36	513912.9	4408713.9	17.6	21.0	SLUG	1.25	1.3E-04	-3.903	12.1	32	BROUGHTON ET AL (1979)
102	718	36070	36	513555.4	4409070.5	16.8	20.2	SLUG	70	7.0E-03	-2.155	15.0	2226	BROUGHTON ET AL (1979)
103	734	36077	36	513326.6	4409618.1	17.0	20.4	FH	5.51	5.5E-04	-3.259			BROUGHTON ET AL (1979)
104	741	36092	36	513722.1	4409341.1	16.6	20.0	SLUG	44.5	4.4E-03	-2.352	3.7	911	BROUGHTON ET AL (1979)

COUNT: 75

NOTE: "NT" INDICATES NO TEST

CONDUCTIVITY STATISTICS

INTERVAL NUMBER	RANGE	LOG MAX	NUMBER CASES
1	<10-7	-7	0
2	10-7	-6	1
3	10-6	-5	1
4	10-5	-4	8
5	10-4	-3	24
6	10-3	-2	25
7	10-2	-1	14
8	10-1	0	2
10	>1		0
11	NT		29

TOTAL CASES: 104
NUMBER TESTS: 75
MEAN OF THE LOG: -2.872
GEOMETRIC MEAN: 1.3E-03

BEST AVAILABLE COPY

ALLUVIAL PUMPING TESTS

[illegible]   [illegible]

MAP NO.	PUMPED WELL DESIGNATION [illegible]	REPORT	PWS SECTION	UTM COORDINATES EASTING (m)	UTM COORDINATES NORTHING (m)	NUM OBS WELLS	DISTANCE RANGE MIN (ft)	DISTANCE RANGE MAX (ft)	HSG UNIT (a)	TEST INFO Q (gpm)	TEST INFO t (hrs)	TEST INFO sw (max) (ft)	ORIGINAL ANALYSIS T (gpd/ft)	ORIGINAL ANALYSIS T (gpd/ft)	ORIGINAL ANALYSIS S	ORIGINAL ANALYSIS S	REF	WLA T (gpd/ft)	WLA b (ft)	WLA S	BEST GUESS T (gpd/ft)	BEST GUESS S
1		[illegible]		[illegible]	[illegible]	[illegible]	50	[illegible]	[illegible]	[illegible]	[illegible]	4.6		[illegible]		[illegible]	JACOB [illegible]		[illegible]		[illegible]	[illegible]
2		[illegible]		[illegible]	[illegible]	[illegible]	61	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		191000		[illegible]	JACOB [illegible]		[illegible]		[illegible]	[illegible]
3		[illegible]				[illegible]			[illegible]	[illegible]	[illegible]	4.7				[illegible]	JACOB [illegible]		11.2		[illegible]	[illegible]
4		[illegible]				[illegible]			[illegible]	[illegible]	[illegible]	1.8				[illegible]	JACOB [illegible]		14.2		[illegible]	[illegible]
5		[illegible]				6			[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	JACOB [illegible]		15.2		[illegible]	[illegible]
6		[illegible]		[illegible]	[illegible]	5	49	[illegible]	[illegible]	264	72	7.4		[illegible]		3.8E-01	JACOB (1961)		12.2		[illegible]	[illegible]
7		[illegible]				4			[illegible]	275	[illegible]	7.9				4.0E-01	JACOB (1961)		11.8		[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	368382	[illegible]	6	[illegible]	[illegible]	[illegible]	150	72	8.2	27000	[illegible]	1.2E-01	1.1E+00	MAY (1982)	[illegible]	9.6	5.7E-01	[illegible]	[illegible]
9		[illegible]				[illegible]			[illegible]	42	1	[illegible]				[illegible]	JACOB [illegible]		11.3		[illegible]	[illegible]
10		[illegible]				[illegible]			[illegible]	176	[illegible]	7.6				[illegible]	JACOB [illegible]		16.1		[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	5	[illegible]	[illegible]	125	[illegible]	4.5	[illegible]	[illegible]	[illegible]	[illegible]	MAY (1982)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12		[illegible]		530715	[illegible]	[illegible]			[illegible]	[illegible]	2.5		78000	[illegible]	1.5E-01	[illegible]	[illegible] (1966)	174000	26	[illegible]	[illegible]	[illegible]
13		[illegible]		[illegible]	[illegible]	6	[illegible]	180	[illegible]	[illegible]	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] (1975)		37.5		[illegible]	2.8E-01
14		[illegible]		[illegible]	[illegible]	16	34	645	[illegible]	1766	70	12.6	198000	[illegible]	1.2E-01	1.6E-01	MAY (1982)	[illegible]	54	1.7E-01	[illegible]	[illegible]
15		TEST		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	66	5.0		[illegible]		1.4E-01	CORP OF ENGINEERS (1950)				[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]					[illegible]		5.9E-02	BLACK & VEATCH (1959)		27		[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	1000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.1E-01	[illegible]	[illegible] (1975)				[illegible]	[illegible]
18	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22.4	[illegible]	[illegible]	[illegible]	[illegible]	1.1E-01	[illegible]	[illegible] (1969)		15		[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]					[illegible]		[illegible]	BLACK & VEATCH (1960)		11		[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible] (1978)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.6	[illegible]	[illegible]	[illegible]	7.4E-01	[illegible] (1978)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	[illegible]	[illegible]	[illegible]	[illegible]	5.7E-02	1.4E-01	[illegible] (1978)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	[illegible]	[illegible]	[illegible]	[illegible]	9.4E-03	9.7E-02	[illegible] (1978)	[illegible]	9	[illegible]	[illegible]	[illegible]
24		[illegible]		[illegible]	[illegible]	5	[illegible]	[illegible]	[illegible]	[illegible]	24	4.7		[illegible]		7.2E-02	FINCH AND MATHEWS (1971)				[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	MAY (1982)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NOTES:
[illegible] = Terrace Gravels
[illegible] = Paleochannels in Terrace Gravels
[illegible]
[illegible] = [illegible] Terrace Gravels and Coarse Sand
[illegible]
[illegible] = Eolian Deposits
[illegible]

BEST AVAILABLE COPY

DENVER FM SLUG TESTS

[illegible] TESTS IN DOWNER SANDS (SORTED)   UPDATE: 05-13-88

CASE NUMBER	DESIGNATION: BORING	DESIGNATION: SWN	DESIGNATION: [illegible]	UTM COORDINATES: EASTING	UTM COORDINATES: NORTHING	SCREENED INTERVAL: TOP (ft.BGS)	SCREENED INTERVAL: BOTTOM (ft.BGS)	TEST TYPE	INFORMAL UNIT NAME	HYDR COND (cm/s)	LOG HYDR COND	TEST INTERVAL THICKNESS (ft)	TRANSMISSIVITY (gpd/ft)	REFERENCE
1	722	1008	1			16.6	20.0	FH		8.1E-04	-3.092	0.5	8.6	BROUGHTON ET AL (1979)
2	745	1014	1			17.8	21.2	FH		3.0E-04	-3.517	0.5	3.2	BROUGHTON ET AL (1979)
3	746	1015	1			57.5	60.7	RH		1.2E-04	-3.939	10.0	24.4	BROUGHTON ET AL (1979)
4	748	2063	2			17.7	21.1	FH		2.1E-04	-3.668	0.5	2.3	BROUGHTON ET AL (1979)
5	755	2604	2			70.0	73.4	RH		1.6E-03	-2.750	27.6	1039.8	BROUGHTON ET AL (1979)
6	928	19905	19			21.0	30.0	RH		6.0E-04	-3.220	9.0	114.9	ZEBELL (1979)
7	929	19926	19			22.9	30.0	RH		1.2E-03	-2.910	7.1	185.2	ZEBELL (1979)
8	978-1	23161	23			64.0	74.0	RH	SAND #3	1.7E-05	-4.762	7.0	2.6	ESE (1988); MAY ET AL (1980)
9	978-2	23162	23			105.0	110.0	RH	SAND #4	9.2E-06	-5.037	5.0	1.0	ESE (1988); MAY ET AL (1980)
10	985-1	23163	23			42.0	54.0	RH	SAND #2	8.1E-05	-4.093	10.0	17.1	ESE (1988); MAY ET AL (1980)
11	985-2	23164	23			80.0	90.0	RH	?	6.6E-07	-6.180	10.0	0.1	ESE (1988); MAY ET AL (1980)
12	991-1	23167	23			47.0	52.0	RH	SAND #2	2.6E-05	-4.532	3.0	1.7	ESE (1988); MAY ET AL (1980)
13	991-2	23168	23			68.0	75.0	RH	SAND #3	1.7E-04	-3.780	7.0	24.6	ESE (1988); MAY ET AL (1980)
14	991-3	23169	23			85.0	103.0	FH	SAND #4	3.0E-05	-4.527	17.0	10.7	ESE (1988); MAY ET AL (1980)
15	E-32	23218	23			47.3	53.0	RH/FH	SAND #2	2.4E-06	-5.620	8.0	0.4	ESE (1988)
16	E-36	23219	23			63.3	74.0	RH/FH	SAND #3	2.4E-05	-4.625	10.7	5.4	ESE (1988)
17	EF-29	23226	23			25.0	36.7	RH/FH	SAND #2	2.2E-04	-3.654	13.7	64.3	ESE (1988)
18	EF-27	23227	23			33.3	37.0	RH/FH	SAND #2	2.0E-06	-5.699	4.0	0.2	ESE (1988)
19	351	24032	24			44.7	48.7	RH		3.0E-05	-4.527	4.0	2.5	ZEBELL (1979)
20	721	24059	24			30.2	39.3	RH		2.6E-03	-2.592	9.1	493.9	ZEBELL (1979)
21	976-1	24131	24			48.0	53.0	RH	SAND #3	7.9E-05	-4.103	3.0	5.0	ESE (1988); MAY ET AL (1980)
22	976-2	24132	24			61.0	66.5	RH	?	2.9E-05	-4.541	5.5	3.4	ESE (1988); MAY ET AL (1980)
23	977-1	24133	24			46.0	50.0	RH	SAND #2	1.6E-05	-4.790	4.0	1.4	ESE (1988); MAY ET AL (1980)
24	977-2	24134	24			70.0	77.0	RH	?	9.8E-06	-5.010	7.0	1.5	ESE (1988); MAY ET AL (1980)
25	979-1	24135	24			31.0	35.0	RH	SAND #2	1.2E-02	-1.917	4.0	1026.2	ESE (1988); MAY ET AL (1980)
26	979-2	24136	24			51.0	64.0	RH	SAND #2	1.5E-05	-4.839	13.0	4.0	ESE (1988); MAY ET AL (1980)
27	979-3	24137	24			81.0	100.0	RH	SAND #3	4.8E-06	-5.322	19.0	1.9	ESE (1988); MAY ET AL (1980)
28	981-1	24138	24			41.0	45.0	RH	SAND #2	2.9E-05	-4.545	4.0	2.4	ESE (1988); MAY ET AL (1980)
29	981-2	24139	24			70.0	88.0	RH	?	6.3E-05	-4.204	18.0	23.9	ESE (1988); MAY ET AL (1980)
30	983-1	24140	24			25.0	30.0	RH	SAND #2	1.3E-04	-3.883	5.0	13.9	ESE (1988); MAY ET AL (1980)
31	983-2	24141	24			60.0	65.0	RH	SAND #3	7.6E-06	-5.119	5.0	0.8	ESE (1988); MAY ET AL (1980)
32	984-1	24142	24			45.0	53.0	RH	SAND #5	5.9E-05	-4.232	6.0	9.9	ESE (1988); MAY ET AL (1980)
33	984-2	24143	24			70.0	80.0	RH	SAND #4	2.7E-05	-4.565	6.5	3.7	ESE (1988); MAY ET AL (1980)
34	985-1	24144	24			40.0	58.0	RH	SAND #3	4.2E-04	-3.378	18.0	159.9	ESE (1988); MAY ET AL (1980)
35	986-2	24146	24			52.0	62.0	RH	SAND #3	1.4E-05	-4.848	10.0	3.0	ESE (1988); MAY ET AL (1980)
36	987-1	24147	24			75.0	90.0	RH	SAND #3	2.0E-04	-3.695	14.0	60.0	ESE (1988); MAY ET AL (1980)
37	E-33	24191	24			33.1	44.0	RH/FH	SAND #2	7.0E-05	-4.156	11.0	16.3	ESE (1988)
38	720	26063	26			25.5	30.0	FH	UDS	4.2E-04	-3.382	9.5	83.6	BROUGHTON ET AL (1979); BOPP ET AL (1979)
39	724	26064	26			77.5	82.9	RH	LDS	1.9E-03	-2.710	26.0	1072.9	BROUGHTON ET AL (1979); BOPP ET AL (1979)
40	831	26066	26			49.0	61.0	RH	UDS	3.5E-04	-3.456	12.0	69.0	BOPP ET AL (1979)
41	301	26067	26			99.0	107.0	RH	LDS	7.2E-04	-3.140	8.0	122.8	BOPP ET AL (1979)
42	592	26069	26			67.5	79.5	RH	LDS	7.3E-04	-3.133	12.0	185.3	BOPP ET AL (1979)
43	[illegible]	26071	26			45.0	54.0	RH	UDS	1.2E-03	-2.928	8.0	195.6	BOPP ET AL (1979)
44	[illegible]	26072	26			92.0	104.0	RH	LDS	1.9E-03	-2.721	12.0	494.2	BOPP ET AL (1979)
45	834	26075	26			85.5	97.5	RH	LDS	7.2E-04	-3.141	11.0	163.7	BOPP ET AL (1979)
46	836	26090	26			68.0	80.0	RH	LDS	2.0E-05	-4.695	12.0	5.1	BOPP ET AL (1979)
47	859	26056	26			64.0	74.0	RH	LDS	6.6E-04	-3.170	10.0	143.5	BOPP ET AL (1979)
48	512	26085	26			57.0	69.0	RH	UDS	2.3E-03	-2.642	12.0	[illegible]	BOPP ET AL (1979)

SLUG TESTS IN DENVER SANDS (SORTED)   UPDATE: 05-13-88

INDEX NUMBER	DESIGNATION BORING	DESIGNATION KNA	SECTION	UTM COORDINATES EASTING	UTM COORDINATES NORTHING	SCREENED INTERVAL TOP (ft.BGS)	SCREENED INTERVAL BOTTOM (ft.BGS)	TEST TYPE	INFORMAL UNIT NAME	HYDR COND (cm/s)	LOG HYDR COND	TEST INTERVAL THICKNESS (ft)	TRANSMISSIVITY (gpd/f)	REFERENCE
49	812	26090	26			76.0	84.0	RH	LDS	2.1E-03	-2.671	8.0	361.6	BOPP ET AL (1979)
50	614	26092	26			63.0	83.0	RH	UDS	5.5E-04	-3.259	20.0	233.6	BOPP ET AL (1979)
51	815	26094	26			71.0	91.0	RH	UDS	3.9E-04	-3.413	20.0	163.9	BOPP ET AL (1979)
52	455	26128	26			63.0	73.0	RH	UDS	1.2E-03	-2.915	10.0	257.6	BOPP ET AL (1979)
53	455	26129	26			90.0	100.0	RH	LDS	1.8E-03	-2.737	10.0	388.4	BOPP ET AL (1979)
54	473, DB-1-1	26134	26			75.0	95.0	RH	UDS	2.2E-03	-2.658	27.2	1268.8	WES (1979); BOPP ET AL (1979)
55	472, DB-1-2	26135	26			135.0	157.0	RH	LDS	1.7E-06	-5.866	2.4	0.1	WES (1979); BOPP ET AL (1979)
56	DB-2-1	26136	26			155.0	180.0			5.1E-05	-4.292	25.0	27.0	WES (1979)
57	DB-2-2	26137	26			200.0	220.0			1.9E-07	-6.721	5.0	0.0	WES (1979)
58	DB-5-1	26138	26			87.0	107.0			2.1E-05	-4.678	9.4	4.2	WES (1979)
59	DB-3-2	26139	26			136.0	155.0			8.2E-06	-5.086	7.0	1.2	WES (1979)
60	476, DB-4-1	26140	26			59.0	78.0	FH	UDS	7.1E-03	-2.149	21.3	3281.8	WES (1979); BOPP ET AL (1979)
61	475, DB-4-2	26141	26			97.0	127.0	RH	LDS	1.9E-03	-2.721	31.9	1285.1	WES (1979); BOPP ET AL (1979)
62	DB-4-3	26142	26			138.0	146.0			7.6E-06	-5.119	4.7	0.8	WES (1979)
63	732	31004	31			82.8	85.2	RH		3.0E-05	-4.517	19.6	12.0	BROUGHTON ET AL (1979)
64	723	35016	35			37.0	40.4	RH	UDS	9.8E-04	-3.007	19.7	411.4	BROUGHTON ET AL (1979); BOPP ET AL (1979)
65	723	35017	35			68.4	71.6	RH	LDS	1.4E-05	-4.863	5.5	1.6	BROUGHTON ET AL (1979); BOPP ET AL (1979)
66	725	35019	35			86.0	89.4	RH	LDS	5.5E-04	-3.263	27.2	314.3	BROUGHTON ET AL (1979); BOPP ET AL (1979)
67	726	35021	35			69.6	73.0	RH		1.7E-04	-3.767	16.5	59.6	BROUGHTON ET AL (1979)
68	733	35024	35			52.1	55.0	RH		8.0E-03	-2.098	37.2	6285.8	BROUGHTON ET AL (1979)
69	732	35028	35			92.5	95.9	RH		3.7E-05	-4.431	8.5	6.6	BROUGHTON ET AL (1979)
70	817	35036	35			74.0	89.0	RH	LDS	3.5E-04	-3.457	15.3	111.2	BOPP ET AL (1979)
71	819	35038	35			59.0	67.0	RH	UDS	2.4E-04	-3.611	8.0	41.6	BOPP ET AL (1979)
72	813	35039	35			100.0	112.0	RH	LDS	1.3E-04	-3.890	12.0	32.8	BOPP ET AL (1979)
73	637	35041	35			62.0	102.0	RH	LDS	1.3E-04	-3.887	20.0	55.0	BOPP ET AL (1979)
74	323	35043	35			25.0	33.0	FH	LDS	1.5E-04	-3.804	8.0	26.5	BOPP ET AL (1979)
75	715	36059	36			62.9	73.5	RH		3.1E-05	-4.506	3.1	2.1	BROUGHTON ET AL (1979)
76	719	36064	36			70.2	73.5	RH		2.5E-05	-4.604	15.0	7.9	BROUGHTON ET AL (1979)
77	711	35066	36			73.3	76.7	RH		4.1E-05	-4.383	15.3	13.4	BROUGHTON ET AL (1979)
78	718	36071	36			34.1	37.5	RH		5.4E-03	-2.270	7.3	825.5	BROUGHTON ET AL (1979)
79	716	36072	36			53.5	54.9	RH		3.3E-04	-3.476	15.0	105.6	BROUGHTON ET AL (1979)
80	724	36078	36			59.0	62.4	RH		5.7E-03	-2.247	5.5	650.0	BROUGHTON ET AL (1979)
81	741	36093	36			77.0	82.4	RH		4.1E-05	-4.385	0.5	0.4	BROUGHTON ET AL (1979)
82	E-43	37372	37			61.5	38.5	RH/FH	SAND #4	1.2E-04	-3.932	28.0	69.5	ESE (1988)
83	E-34	37376	37			40.3	51.0	RH/FH	SAND #3	1.2E-04	-3.907	12.0	31.6	ESE (1988)
84	E-33	37379	37			39.3	55.5	RH/FH	SAND #3	2.2E-04	-3.652	16.2	76.8	ESE (1988)
85	E-38	37380	37			64.3	75.0	RH/FH	SAND #4	4.3E-05	-4.367	14.0	12.8	ESE (1988)
86	E-39	37387	37			36.7	42.7	RH/FH	SAND	2.1E-04	-3.686	5.9	23.7	ESE (1988)
87	E-37	37389	37			69.8	86.0	RH/FH	SAND #4	3.8E-05	-4.424	16.2	13.0	ESE (1988)
88	E-65	37390	37			49.1	46.0	RH/FH	SAND #3	2.2E-04	-3.656	7.0	32.8	ESE (1988)

COUNT: 93

NOTES: RH — RISING HEAD SLUG TEST
FH — FALLING HEAD SLUG TEST
SAND #1,2,3,4 — CORRELATED DENVER SAND UNITS IN NORTH BOUNDARY AREA
UDS — UPPER DENVER SAND
LDS — LOWER DENVER SAND

CONDUCTIVITY STATISTICS

INTERVAL NUMBER	RANGE	LOG MAX	NUMBER CASES
1	<E-7	-7	0
2	E-7	-6	2
3	E-6	-5	9
4	E-5	-4	28
5	E-4	-3	32
6	E-3	-2	16
7	E-2	-1	1
8	E-1	0	0
10	>E(0)		0
11	NO TEST		-5

TOTAL CASES: 83
NUMBER TESTS: 88

MEAN OF THE LOG: -3.903
GEOMETRIC MEAN: 1.3E-04 cm/s

ST DEV OF LOG: 1.2832
MEAN + 1 ST DEV: 2.4E-03 cm/s
MEAN - 1 ST DEV: 6.4E-06 cm/s

BEST AVAILABLE COPY

DENVER FM PUMPING TESTS

PUMPING TESTS IN DENVER SANDS AND CLAYSHALES   UPDATE: [illegible]

PUMPED WELL						OBSERVATION WELLS																
DESIGNATION			UTM COORDINATES		NUMBER	DISTANCE RANGE			TEST INFORMATION				INTERPRETED ANALYSES							[illegible]		
DWR	PERMIT	SECTION	EASTING (m)	NORTHING (m)	WELLS	MIN (ft)	MAX (ft)	UNIT	Q (gpm)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		REF	T	S	K
PUMPING TESTS IN DENVER SANDSTONES																					
	[illegible]	25			[illegible]	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			MAY ET AL. (1983)	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45	58	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]			[illegible] (1983)	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]			[illegible] (1983)	[illegible]	[illegible]	[illegible]
PUMPING TESTS IN DENVER CLAYSHALES																					
	[illegible]	1						[illegible]	[illegible]	[illegible]			[illegible]	[illegible]				[illegible] (1982)			
	[illegible]	1						[illegible]	[illegible]	[illegible]			[illegible]	[illegible]				[illegible] (1982)			

BEST AVAILABLE COPY

APPENDIX C

TASK 44

APPENDIX C.1: SUMMARY OF TASK 44 ACTIVITIES

APPENDIX C

TASK 44

Task 44 was originally intended as a long term monitoring program to sample semiannually and quarterly groups of wells, to monitor water levels, to evaluate data and assess contaminant distributions, to make recommendations to the water monitoring effort of this and other tasks. Many of these original Task objectives were carried out under Task 44 including well network selection, the definition of the analytical schedule, definition of the general scope of work, new well installations, th^ sampling of the monitoring network, and the monitoring of water levels.

The following section presents a brief summary of original Task 44 objectives and scope-of-work. It also presents the Task 44 sampling network, the analytical suite, and geotechnical program. Detailed information concerning the proposed Task 44 Program is available in the Task 44 Final Technical Plan (ESE, 1988). Data evaluation and interpretive efforts that were originally proposed under Task 44 were ultimately carried out under the Water Remedial Investigation effort and are presented in the main body of the present report.

TASK 44 OBJECTIVES

The necessity of establishing a comprehensive data base for surface and ground water, was recognized as part of the environmental investigation at RMA has been recognized. Task 4 addressed part of this need by providing baseline data to assess contaminant distributions at RMA.

Under Task 4, three rounds of water samples were collected over a 1-year period within RMA to achieve the following objectives:

- o Satisfy compliance-oriented regulatory requirements under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the substantive requirements of all applicable or relevant and appropriate Federal and State requirements that have application through CERCLA;

- Confirm the existence and chemical nature of contamination and monitor any changes in the lateral and vertical extent of contamination; and
- Develop a core data base for use in upcoming litigation and Remedial Investigation/Feasibility Study analyses for RMA.

Task 44 was developed using the core Task 4 objectives, however, the scope of the task was broadened to address other salient items that were beyond the scope of Task 4.

Task 44 (under Contract No. DAAK-11-84-D-0016) was awarded on March 19, 1987. The objectives of Task 44 as detailed in the Delivery Order are to:

- Assess the distribution and concentration levels of ground water and surface water contaminants and monitor changes in water quality with respect to these contaminants for both the onpost and offpost areas;
- Monitor and evaluate changes in water levels;
- Evaluate data and recommend program modifications to this or other water monitoring tasks; and
- Identify areas of significant public exposure and make appropriate information available to Tasks 35 and 39.

In order to satisfy the primary goals of the task, certain ancillary objectives were accomplished and incorporated in the WRIR:

- Utilize available geologic data to further define the current understanding of the geologic conditions present at RMA;
- Summarize the hydrogeologic conditions in the onpost and offpost areas by integrating existing hydrologic, geologic, and water quality data;
- Identify the primary hydrogeologic pathways by which contaminants are being transported to the RMA boundary or the offpost area;
- Evaluate the existing monitoring program for data deficiencies and assess the need for additional wells; and
- Integrate all data from water related tasks and supply appropriate information to Task 23 efforts including data bases, contaminant distribution maps, and hydrogeologic assessments.

Task 44 established the hydrologic core data base for and provided to the Endangerment Assessment (EA) and Feasibility Study (FS) groups adequate interpretation and characterization of hydrologic, geologic, and geochemical data so that their specified goals can be achieved.

The overall Task 44 program was designed to be dynamic in nature and to be modified, as required, in response to ongoing data evaluation and/or changes in the SOW or task objectives. Task 44 formed the base or trunk hydrologic program, while other efforts (Tasks 25, 36, 38, 39, etc.) represented tributary or branch efforts which satisfied specific individual task needs, as well as augmented the Task 44 program.

PROPOSED SCOPE OF WORK

The scope of the Task 44 water quality/quantity survey included a sampling program of ground-water and surface water that was capable of satisfying the various regulatory requirements. The monitoring program under Task 44 was initially proposed as a semiannual sampling event with quarterly sampling of 43 offpost wells and 12 onpost Basin F wells. However, the proposed semiannual sampling under Task 44 was executed as a one-time-only sampling event during the third quarter FY87. Quarterly sampling of the 55 wells was conducted under Task 44, and monitoring these wells was transferred to the Comprehensive Monitoring Program, which was initiated during the first quarter FY88.

Additional proposed work included development of litigation-quality data for addition to the current data base, and evaluation of the extent and nature of contamination. In order to achieve these objectives, work in six distinct technical areas was initiated. These areas are as follows:

- Review of historical data;
- Develop a monitoring program to achieve the task objectives;
- Execute the monitoring program utilizing litigation-quality sampling and analytical procedures;
- Assess data after the first sampling event for possible adjustments in the sampling and/or analytical scheme;
- Compile and interpret the accumulated data at the end of the sampling program (conducted under the WRI); and

- Coordinate with and integrate data from other current ground water tasks such as Tasks 25, 26, 36, 38, and 39 (conducted under the WRI).

During review of the historical data, a large number of wells were evaluated with respect to construction detail, sampling history, and location. Criteria for evaluating these wells are described in the Final Technical Plan, Task 44 (ESE, 1988).

An assessment of numerous types of data was performed to help design the Task 44 monitoring network. Borehole logs and geologic cross sections were examined to establish a preliminary evaluation of subsurface geology. Water-level data from the Task 4 program were examined to establish directions of ground water flow within the alluvium and to aid in the correlation of permeable units within the Denver Formation. Water-quality information from Task 4 and, as appropriate, from the historical data base were examined to formulate an assessment of the distribution of contaminants within the RMA ground water system. A preliminary assessment of hydrogeologic conditions was used to design the proposed Task 44 well network. A detailed review of well selection methodology is discussed in the Final Technical Plan, Task 44 (ESE, 1988).

All ground water monitoring wells and surface water sampling sites were sampled using uniform sampling methods. Ground water and surface water samples were analyzed for a predetermined list of analytes including numerous organic and inorganic parameters (Table). Sample collection, measurement of field parameters, and analysis of samples were performed in accordance with USATHAMA Quality Assurance/Quality Control (QA/QC) procedures (USATHAMA, 1982, RIC#87048R03). These procedures included collection of field quality control samples and decontamination of all sampling equipment. Collection procedures are presented in the Final Technical Plan, Task 44 (ESE, 1988).

PROPOSED_SELECTION_OF_THE_MONITORING_NETWORK

The monitoring network was designed using numerous criteria including the following:

- o Available information on well construction;
- o An evaluation of sampling history;
- o Chemical data;
- o Sampling frequency; and
- o Well location.

A detailed description of the network election process is presented in Section 3 of the Task 44 Final Technical Plan (ESE, 1988).

The proposed Task 44 monitoring network for RMA consisted of a total of 311 alluvial, Denver Formation, and offpost wells. Of the 311 wells, 43 are located in the offpost area and 268 wells have either been recently sampled or are proposed for sampling under other RMA tasks or programs as listed below.

- o 186 Task 4 wells (includes 6 wells previously included with Task 38);
- o 43 Offpost wells;
- o 25 Task 25 wells;
- o 11 Task 38 wells; and
- o 46 Historic and recent SCC wells.

311 Wells

Historic wells are those not sampled recently. Specific wells selected for the Task 44 network from other task networks are discussed in a following section.

Except for offpost well locations, all wells were selected utilizing the criteria and methodology described in the Final Technical Plan, Task 44 (ESE, 1988).

3.1.2.2 Offpost Water Quality Monitoring Network

The offpost monitoring network consisted of 43 wells from offpost Task 6 (Contract No. DAAK11-83-D-007) as listed in Table C-1. Well selection criteria were not evaluated in depth for offpost wells because these wells were taken directly from Revision III - 360° Monitoring Program. Of the 43 total offpost wells, 42 are completed in alluvium and one is considered a

Table C-1. Task 44 Offpost Well Network

37305*	37348
37307	37349
37308	37350
37309	37351
37312	37352
37313	37353
37320	37354
37332	37355
37333	37356
37335	37357
37338	37358
37338	37359
37340	37360
37341	37361
37342	37362
37343	37363
37344	37364
37345	37365**
37346	37366
37347	

Also included are the following four alluvial domestic wells:

Boller
XII
XXI
CIII

* Well abandoned.
** Danver Formation well.

Source: ESE, 1988.

Denver Formation well. Offpost and onpost wells were sampled and analyzed using identical procedures. Offpost wells were sampled on a quarterly basis in conjunction with Task 25 and to comply with requirements of the 1975 Cease and Desist Order. Additional monitoring of the Denver Formation offpost was performed under Tasks 25, 36, and 39. These tasks include installation of additional Denver Formation monitoring wells in selected locations.

The onpost monitoring network was subdivided into an alluvial network consisting of 128 wells and a Denver Formation network consisting of 140 wells. These networks are discussed separately below. Onpost sampling was conducted Third Quarter FY87 except for the following 12 wells in the vicinity of Basin F which will be sampled quarterly:

23049	23142	26020	26085
23095	26015	26041	26127
23108	26017	26073	27016

Quarterly sampling was conducted historically for these Basin F wells, and the same sampling schedule was retained in Task 44 efforts to provide consistent sampling frequency.

Alluvial Well Network

The alluvial monitoring well network was designed to monitor contaminant distributions in saturated RMA alluvium. One hundred and twenty-eight onpost alluvial wells were selected for the Task 44 program (Table C-2). Many of these wells were recently sampled within the last year under current or previously existing RMA tasks:

Task 4 wells	84
Current Task 25 wells	15
Current Task 38 wells	11
Historical wells	15
Recent Shell Wells	3
Total Task 44 Wells	128

The alluvial monitoring well network is shown in Figure 3.1-3 and summarized by section in Table C-2.

Table C-2. Proposed Onpost Task 44 Monitoring Network, Alluvial Aquifer Wells (Page 1 of 2)

Section	Total Wells	Well Numbers
1	6	017, 020, 021, 024, 027, 041
2	6	008, 011, 014, 020, 034, 037
3	5	002, 005, 008, 518, 523
4	12	007, 010, 014, 021, 024, 027, 030, 038, 041, 042, 044, 045
6	2	002, 003
7	1	001
8	1	003
9	7	002, 005, 006, 008, 010, 011, 013
11	1	002
12	1	002
19	1	001
22	5	006, 021, 049, 051, 059
23	11	004, 029, 039, 049, 058, 095, 108, 142, 179, 188, 191
24	9	092, 101, 106, 107, 111, 112, 113, 158, 185
25	5	011, 015, 018, 022, 038
26	13	006, 011, 015, 017, 020, 041, 073, 076, 083, 085, 088, 127, 133
27	8	003, 005, 016, 040, 051, 053, 062, 074
28	3	022, 023, 027

Table C-2. Proposed Onpost Task 44 Monitoring Network, Alluvial Aquifer Wells (Continued, Page 2 of 2)

Section	Total Wells	Well Numbers
30	1	009
31	1	005
33	8	001, 002, 030, 033, 039, 063, 075, 077
34	7	002, 005, 008, 504, 507, 508, 515
35	7	023, 034, 037, 052, 058, 061, 065
36	7	001, 065, 075, 076, 084, 112, 139

Note:

Task 4 Wells	84
Current Task 25 Wells	15
Task 38 Wells	11
Historic Wells	15
Recent Shell Wells	3
Total Task 44 Wells	128

Source: ESE, 1987

Alluvial wells associated directly with five major potential contaminant sites are as follows:

Potential Contaminant Site	Alluvial Wells
South Plants	15
Basin A/A Neck Area	9
Basins B-E	8
Basin F	25
North Plants	5

A total of 27 alluvial wells in Sections 4, 9, and 33 (western tier) were included in the Task 44 program to provide long-term monitoring of the organohalogen and DBCP contamination associated with the Railroad Classification Yard and potential offpost sources.

Paleochannels may, under some conditions, influence directions of ground water flow and provide contaminant migration pathways that facilitate the spread of contamination. Consequently, an effort was made when selecting wells to choose wells that were situated within paleochannels or as close to paleochannels as possible to intersect potential contaminant migration paths. Approximately 42 wells were selected to investigate the importance of paleochannels at RMA as related to ground water flow contaminant migration. The paleochannels were inferred from the Army/ESE and Shell bedrock surface maps.

A set of five wells (06002, 07001, 08003, 11002, and 12002) was chosen to provide regional background monitoring of the alluvial aquifer. These wells also provide a general indication of alluvial water quality flowing onto RMA along the southern tier. A second set of five wells (06003, 19001, 25011, 30009, and 31005) was chosen to monitor the eastern side of RMA and provide contaminant boundary definition.

Denver Formation Well Network

The Denver Formation monitoring well network includes 140 onpost wells chosen from over 500 onpost wells completed in the Denver Formation. Individual wells in the monitoring network are listed by section in Table C-3. Following examination of Task 4 data, it was determined that the Denver Formation ground water flow and contaminant transport systems were not as well defined as those in the alluvial system. The monitoring network selected includes a larger percentage of Denver wells than were included in the Task 4 network to provide more Denver Formation well data. Additional Denver wells were also selected to provide monitoring in the Denver Formation beneath areas of unsaturated alluvium. Most of the selected Denver Formation wells were recently sampled under other RMA tasks as outlined below:

Current Task 25 wells	10
Task 4 wells	102
Historic wells	28
Total Task 44 Wells	140

The monitoring network attempted to utilize the best existing Denver Formation wells for both upgradient and downgradient monitoring of potential contaminant sites. Wells associated directly with five major potential contaminant sites are as follows:

Potential Contaminant Site	Denver Wells
South Plants	25
Basin A/A Neck Area	17
Basins B-E	13
Basin F	16
North Plants	10

Eight wells from Sections 4, 9, and 33 (western tier) are also included within the Denver well network to provide long-term monitoring of the organohalogen and DBCP contamination associated with the Railroad Classification Yard and potential offpost sources. Available information

Table C-3. Proposed Onpost Task 44 Monitoring Network
Denver Formation Wells (Page 1 of 2)

Section	Total Wells	Well Numbers
1	12	007, 008, 012, 015, 022, 025, 036, 037, 043, 047, 048, 050
2	14	009, 010, 012, 018, 019, 021, 025, 030, 031, 035, 036, 038, 039, 043
3	3	003, 004, 006
4	3	008, 009, 011
5	1	001
6	2	004, 005
7	1	004
8	1	005
9	1	003
11	1	004
12	2	003, 004
19	3	003, 015, 017
22	6	023, 024, 027, 028, 030, 031
23	18	053, 054, 161, 177, 180, 181, 182, 183, 184, 185, 186, 187, 189, 190, 192, 193, 209, 210
24	7	086, 089, 120, 124, 127, 130, 159
25	8	009, 013, 014, 016, 017, 021, 023, 039
26	15	019, 057, 058, 061, 066, 067, 071, 072, 075, 084, 086, 129, 140, 142, 147
27	4	049, 054, 055, 057

Table C-3. Proposed Onpost Task 44 Monitoring Network
Denver Formation Wells (Continued, Page 2 of 2)

Section	Total Wells	Well Numbers
28	2	026, 028
30	1	011
32	1	002
33	4	016, 026, 032, 034
34	3	003, 006, 009
35	13	013, 016, 017, 036, 038, 039, 054, 056, 062, 063, 066, 067, 068
36	14	056, 066, 069, 083, 090, 110, 113, 114, 116, 117, 119, 121, 122, 154

Note:	Current Task 25 Wells	10
	Task 4 Wells	102
	Historic Wells	28
	Total Task 44 Wells	140

Source: ESE, 1988

suggested these contaminants were restricted to the alluvial aquifer, but monitoring of the Denver aquifer was considered warranted to ensure that contamination had not spread to the Denver Formation.

A set of five wells (07004, 08005, 11004, 12003, and 12004) were included in the Task 44 network to provide regional background monitoring of the Denver Formation waters in the Southern Tier. These wells also provide a general indication of Denver Formation water quality flowing onto RMA along the southern tier.

A set of eight wells (05001, 06004, 06005, 19003, 19015, 19017, 30011, and 32002) monitor the eastern sections of RMA. These wells provide background information on Denver Formation water quality.

Cluster configurations were given selection preference in the Task 44 network to investigate vertical differences in hydraulic head in the Denver Formation. Table C-4 lists all wells in the Task 44 network that are present in cluster configurations. A further breakdown by section and major aquifer is given in Table C-5.

PROPOSED ANALYTICAL SUITE

The objectives of the Task 44 chemical analysis program were to provide PMO-RMA with reliable, statistically supportable, and legally defensible chemical data regarding type and level of contamination in surface and ground water at RMA. Task 44 required various analytical techniques to be performed on collected samples to achieve a quantitative determination of water quality. Semiquantitative confirmation of analytes identified by quantitative methods and a semiquantitative identification of nontarget compounds are were included.

The modified schedule of 50 compounds utilized in Task 4 was adopted for Task 44, with the inclusion of benzothiozole and chlordane (C-6). This analytical schedule includes seven organochlorine pesticides, DCPD, methylisobutylketone (MIBK), DIMP, DMMP, DBCP, 6 organosulfur compounds, 5 volatile aromatics, 12 volatile organohalogens, and 15 inorganic parameters (Table C-7). Semiquantitative methods (GC/MS) will be used to screen for 24 purgeable and

Table C-4. Clustered Wells Incorporated in the Proposed Task 44 Monitoring Network+ (Page 1 of 2)

Section	Clusters
1	(021*, 022), (024*, 025), (041*, 043)
2	(008*, 009, 010), (011*, 012), (020*, 021), (034*, 035, 036), (037*, 038, 039)
3	(002*, 003, 004), (005*, 006)
4	(007*, 008, 009), (010*, 011)
6	(003*, 004, 005)
8	(003*, 005)
9	(002*, 003)
11	(002*, 004)
12	(002*, 003, 004)
22	(021*, 023, 024)
23	(179*, 180, 181), (188*, 189, 190), (191*, 192, 193)
24	(158*, 159)
25	(011*, 013, 014), (015*, 016, 017), (022*, 023), (038*. 039)
26	(073*, 075), (083*, 084), (085*, 086), (127*, 129)
27	(053*, 054, 055)
28	(023*, 026), (027*, 028)
30	(009*, 011)
33	(030*, 032), (033*, 034)

Table C-4. Clustered Wells Incorporated in the Proposed Task 44 Monitoring Network* (Continued, Page 2 of 2)

Section	Clusters
34	(002*, 003), (005*, 006)
35	(034*, 036), (037*, 038, 039), (052*, 054), (061*, 062, 063), (065*, 066, 067, 068)
36	(065*, 066), (112*, 113, 114)
Off Post	(37343*, 37365)

* A well cluster is defined as containing at least one alluvial well and one Denver Formation well.

* Alluvial well

Percentage of wells contained in cluster groupings = 36% (111 of 311 wells)

Source: ESE, 1988

Table C-5. Summary of Task 44 Monitoring Wells by Section

Section	Well Total	No. of Clusters*	Alluvial	Denver
1	18	3	6	12
2	20	5	6	14
3	8	2	5	3
4	15	2	12	3
5	1	0	0	1
6	4	1	2	2
7	2	0	1	1
8	2	1	1	1
9	8	1	7	1
11	2	1	1	1
12	3	1	1	2
19	4	0	1	3
20	0	0	-	-
22	11	1	5	6
23	29	3	11	18
24	16	1	9	7
25	13	4	5	8
26	28	4	13	15
27	12	1	8	4
28	5	2	3	2
29	0	0	-	-
30	2	1	1	1
31	1	0	1	0
32	1	0	0	1
33	12	2	8	4
34	10	2	7	3
35	20	5	7	13
36	21	3	7	14
Off Post	43	1	42	1
TOTALS	311	47	170	141

Total alluvial wells as a percentage of Task 44 wells = 55%

* Clusters are defined as containing at least one alluvial well and one Denver Formation well.

Source: ESE, 1988

Table C-6. Chemical Analysis - Task 44 (Page 1 of 2)

Analysis/Analytes	Hold Time	Level of Certification	Reference Methods	Method
Organochlorine Pesticides		Quantitative	EPA 608	CAP-GC/ECD
Aldrin	Extract as quickly as possible. (No more than 7 days). Analyze within 40 days of extraction.			
Endrin				
Dieldrin				
Isodrin				
Hexachlorocyclopentadiene				
p,p´-DDE				
p,p´-DDT				
Chlordane				
Volatile Organohalogens		Quantitative	EPA 601	PACK-GC/Hall
Chlorobenzene	14 days			
Chloroform	14 days			
Carbon Tetrachloride	14 days			
trans-1,2-Dichloroethylene	14 days			
Trichloroethylene (TCE)	14 days			
Tetrachloroethylene	14 days			
1,1-Dichloroethylene	14 days			
1,1-Dichloroethane	14 days			
1,2-Dichloroethane	14 days			
1,1,1-Trichloroethane	14 days			
1,1,2-Trichloroethane	14 days			
Methylene Chloride	14 days			
Organosulfur Compounds		Quantitative		PACK-GC/FPD-S
P-Chlorophenylmethylsulfone ($PCPMSO_2$)	Extract as quickly as possible. (No more than 7 days.) Analyze within 40 days of extraction.			
P-Chlorophenylmethylsulfoxide (PCPMSO)				
P-Chlorophenylmethylsulfide (PCPMS)				
1,4-Dithiane				
1,4-Oxathiane				
Dimethyldisulfide (DMDS)				
Benzothiozol				
Volatile Aromatics		Quantitative		EPA 602
Benzene	14 days			
Toluene	14 days			
o,p xylene	14 days			
M,xylene	14 days			
Ethybenzene	14 days			

Table C-6. Chemical Analysis - Task 44 (Page 2 of 2)

Analysis/Analytes	Hold Time	Level of Certification	Reference Methods	Method
DCPD/MIBK		Quantitative	EPA 608	CAP-GC/FID
Dicyclopentadiene/ Methylisobutylketone	Extract as quickly as possible. (No more than 7 days). Analyze extract within 40 days of extraction.			
DIMP/DMMP		Qualitative	EPA 622	PACK-GC/FPD-P
Diisopropylmethylphosphonate/ Dimethylmethylphosphonate	Analyze within 40 of extraction.			
DBCP		Quantitative		CAP-GC/ECD
Dibromochloropropane	Extract as quickly as possible (No more than 7 days). Analyze extract within 40 days of extraction.			
Inorganics		Quantitative		
Calcium			EPA 200	Inductively Coupled Plasma
Magnesium				
Sodium				
Potassium				
Cadmium	Analyze within 6 months			
Copper				
Chromium				
Lead				
Zinc				
Arsenic			EPA 206	AA-Hydride
Mercury	Analyze within 28 days		EPA 245	Cold Vapor
Chloride			EPA 300	Ion Chromatograph
Fluoride				
Sulfate				
Nitrate + Nitrite	28 days with H_2SO_4 (Ph of 2); 48 hours with chilling only		EPA 352.1	Auto Analyzer

Source: ESE, 1988.

Table C-7. Compounds Analyzed by Semiquantitative Methods

Analysis/Analytes	Hold Time	Level of Certification	Reference Methods	Method
Purgeables		Semiquantitative	EPA 624	GC/MS
Ethylbenzene	14 days			
Benzene				
MIBK				
DMDS				
1,1-Dichloroethane				
1,2-Dichloroethane				
1,1,1-Trichloroethane				
1,1,2-Trichloroethane				
Methylene chloride				
Chloroform				
Carbon tetrachloride				
trans-1,2-Dichloroethylene				
Toluene				
Chlorobenzene				
Tetrachloroehtylene				
Trichloroethylene				
m-Xylene				
o- and/or p-Xylene				
DBCP				
Dicyclopentadiene				
Bicycloheptadiene				
1,2-Dichloroethane				
Methylene chloride				
Ethylbenzene				
Extractables		Semiquantitative	EPA 625 (neutral extraction)	GC/MS
Aldrin	Extract as quickly as possible. (No more than 7 days). Analyze extract within 40 days of extraction.			
Atrazine				
Chlordane				
PCPMS				
PCPMSO				
$PCPMSO_2$				
DBCP				
DCPD				
4,4′-DDE				
4,4′-DDT				
Dieldrin				
DIMP				
Dithiane				
Endrin				
HCCPD				
Isodrin				
Malathion				
Oxathiane				
Parathion				
Supona				
Vapona				
2-Chlorophenol				
1,3-Dichlorobenzene				
Diethylphthalate				
Di-n-Octylphthalate				

Source: ESE, 1988

25 extractable compounds (Table), and to identify nontarget analytes. The analytical list was derived from various sources including:

- o An evaluation of contaminant source characteristics at RMA and compounds attributable to activities at these sites;
- o A review of the historical chemical data and recognition of compounds previously detected; and
- o Additional input from the Memorandum of Agreement (MOA) parties.

Approximately 10 percent of the collected samples were analyzed by GC/MS techniques. Wells with samples that contained a large number of analytes or with high baseline concentrations were given priority for GC/MS analysis.

Defensibility and technical quality of the data was assured by proper documentation of procedures used during the analytical survey. Sample preparation, materials, shipping, handling, chain-of-custody procedures, etc. were consistent with those required in Task 1.

SUMMARY OF COMPOSITE WELL PROGRAM DRILLING, WELL INSTALLATION, DEVELOPMENT, AND SAMPLING

The following section discusses the geotechnical program for Task 44. This includes well drilling, installation and development carried out under the composite well program, as well as well sampling procedures employed by Task 44.

DRILLING METHODS

Two drilling methods were selected for the construction of monitoring wells or for contaminant data acquisition in earth materials. These were rotary and hollow stem auger drilling. Personnel safety and sample integrity were the main factors in the selection of these two methods. Whether rotary or hollow stem auger was used at a particular site was determined by site conditions and proposed depth. Alluvial wells were generally drilled using auger methods, and Denver Fm wells with rotary methods. Monitoring wells were d: \led using auger or rotary techniques according to conditions encoun red at the site.

Techniques and procedures associated with the drilling program, including downhole geophysical surveys, were consistent with those outlined in Section 3.0 of the Task 1 Technical Plan as well as USATHAMA Geotechnical Requirements (1983).

Drilling equipment, including drill rods, samplers, tools, and water tanks, were steam cleaned prior to arrival at RMA and washed with approved water before arrival at each boring or well site. Water used in drilling, grouting, or decontamination was obtained at a source approved by the PMSO. Only USATHAMA approved lubricants, such as petroleum jelly, were used on the threads of downhole drilling equipment. Air usage was fully documented with equipment descriptions and oil filter specifications. Only USATHAMA approved air systems were used.

Continuous alluvial soil samples were collected using rotary or hollow-stem auger sampling techniques. The continuous soil samples were collected in polybutyrate tubes and transferred to a central logging facility. The soil samples were logged and then stored in the polybutyrate tubes or one-pint wide-mouth jars.

Rotary core drilling methods were used to collect 2 1/2-inch diameter rock cores. Hollow-stem augers or conductor casing were advanced into bedrock, sealed with bentonite, and then rinsed with approved water to minimize contamination from alluvial materials. The rock cores were taken from a depth of at least 5 ft below the water bearing unit that was to be screened. The rock cores were logged in detail, photographed, wrapped in plastic, and then stored in cardboard coreboxes.

WELL_DRILLING_AND_INSTALLATION

Installation of monitoring wells began within 12 consecutive hours of borehole completion for uncased or partially cased holes, and within 60 consecutive hours for fully cased holes. Once installation had begun, no break in the installation process was made until the well had been grouted and the protective casing installed. All materials used in well construction were approved by USATHAMA and PMO-RMA prior to use.

Alluvial Wells

Alluvial wells were first drilled and continuously sampled using 3 1/4-inch ID hollow stem augers and split spoon samplers. Permeable zones were identified and the hole was reamed with an 8 1/4-inch ID hollow stem auger in preparation for completion with 4-inch PVC casing and screen. The hollow-stem augers were advanced 1 to 2 ft into bedrock. In general, wells were screened from the bedrock contact to approximately 5 ft above the water table surface. Wells were completed inside hollow-stem augers as shown in Figure.

Bedrock Wells

In general, bedrock wells were drilled using direct rotary methods. In instances when sloughing of alluvial material was not a problem, and precautions to prevent cross-contamination were not necessary the bedrock was drilled with hollow-stem augers. The utilization of hollow stem auger drilling for bedrock wells only occurred in a few locations.

In instances where cross-contamination was possible, the borehole was reamed and conductor casing were telescoped and grouted in place using Halliburton techniques. This procedure was followed until the aquifer to be monitored was encountered.

1.3 WELL CONSTRUCTION

Well construction was conducted within the hollow stem augers or within surface casing if rotary methods were employed. The various components of well construction were similar for both drilling methods. These include: screens, casing and fittings, sand pack, bentonite seal, gravel seal, and protective casing. Figures C-1 through C-7 illustrate the Denver well completion techniques implemented for a variety of natural situations. Typical alluvial well construction is illustrated in Figure C-8, while a schematic drawing of cluster site completion is shown in Figure C-9.

Well Screens, Casings, and Fittings

Well screens were commercially fabricated, 4-inch ID, high-flow, 20-slot (0.020-inch) PVC. A threaded PVC cap was fitted 6 inches below the screen openings. The screens were installed throughout the water bearing unit and

were attached to schedule 40 PVC casing by a nonrestrictive threaded joint.

Alluvial wells were screened 5 ft above the water table. Standard black iron pipe casings of various diameters were used to telescope down and prevent cross-contamination between aquifers. Prior to installation, all screens and casing materials were decontaminated and stored in plastic. This required cleaning and removal of all foreign matter (adhesive tape, labels, soil, grease, etc.) and washing with approved water. Casing tops were fitted with oversized hand-removable caps.

Stainless steel well centralizers were attached by stainless steel clamps only on the cased portion of the well and only above the sand pack. Boreholes that contained excessively thick or particulate-laden fluid, which could have interfered with casing and screen installation, were purged with USATHAMA-approved water.

Sand Pack

The annular space between the casing/screen assembly and the borehole was filled with a gravel/sand pack to a depth of no less than 5 ft above the well screen. A 1-pint sample of gravel/sand pack material was submitted to PMO-RMA for approval prior to use on site. The material used was 8- to 12-mesh silica sand from Colorado Silica Sand, Inc. If water was needed to facilitate placement of the gravel/sand pack, a minimal amount of approved water was used. The volume of this water was recorded for subsequent removal during well development.

Bentonite Seal

A 5 ft bentonite seal was placed in the annulus above the sand pack in most wells. In a few locations shallow ground-water table conditions prevented this. The thickness was that measured immediately after placement, without allowance for swelling. Commercially available bentonite pellets were used in all cases. This material met USATHAMA specifications and was approved by PMO-RMA prior to use on the site. Bentonite seals were placed as shown in Figures C-1 through C-9.

Grout Seal
Annular spaces in alluvial monitoring wells were sealed by pumping cement grout through a tremie-pipe placed at the bottom of the target interval, or by gravity placement within the hollow-stem auger. The grout was composed of 10 parts cement to a minimum of 1 part bentonite, and a maximum of 12 gallons of water per sack of cement.

The annular space between conductor casings in Denver Fm monitoring wells were pressure grouted from the bottom of the casing using Halliburton-type techniques. These materials met USATHAMA specifications and were approved by PMO-RMA prior to use on site. The grout seal was inspected for settlement 24 hours after placement and, if necessary, grout was added to the level of the ground surface.

Protective Casing
A lockable protective casing was set into the grout seal surrounding offpost wells. The 5-ft long protective casing was constructed from 8-inch-diameter steel pipe with a lid capable of being locked. The casing, cleaned of all foreign matter prior to use, was extended into the grout about 3.0 ft below the ground surface. The offpost wells were padlocked at the time of the installation of the protective casing. After installation, the outside of the protective casing was painted white, and the well identification was painted black. All painting was done with a paintbrush.

Aggregate cement was poured to a depth of about 0.5 ft above the ground surface in the annular space between the protective well casing and the outside of the monitoring well casing. A circular 4-ft diameter pad 0.5 ft thick was poured around the protective casing. A 0.25-inch-diameter drainage port was drilled in the protective casing just above the level of the internal mortar within the protective casing.

1.4 WELL DEVELOPMENT
Upon completion of the well installation, the monitoring wells were developed at least two weeks prior to sampling. Well development was conducted by means of either a submersible pump or a bottom discharge bailer, with or without a surge block. A minimum of five times the volume

of standing water in the well, sand pack, and annulus were removed, in addition to five times the volume of water that was added and lost during drilling or completing the well. The wells were developed until the water was clear, sediment-free and of consistent conductivity. Wells were not considered fully developed until the measured thickness of sediment remaining in the well was at 5 percent or less of the screen length. Most wells were developed to the point where sediment content was less than 2 percent.

Measurements obtained and recorded included static water level before and after development, field pH, and conductivity measurements before, during, and after development. Stability of these parameters was an indication of representative ground-water quality. For each well, a 1-pint sample of the last water to be removed during development was collected and retained. An example well development sheet is shown in Figure C-10.

2.3 GROUND-WATER SAMPLING PROCEDURES

The Task 44 ground-water monitoring procedures summarized below describe both methods for measurement of static water levels and for collection of water-quality samples. These methods are described in detail in the Task 44 Final Technical Plan (ESE, 1988).

Static water levels were measured with either Soil Test Model DR-760A or Solinst water-level indicators. Total depths were measured with bottom-weighted, nylon-coated steel measuring tapes. Measured values were reported to the nearest tenth of a foot. All pertinent information obtained during the water-level measurement effort was recorded on water-level measurement forms and in bound field notebooks. The following information was recorded for each well measured:

- o Well number;
- o Casing diameter;
- o Date and time;
- o Photoionization Detector (PID) readings;
- o Casing stickup above ground surface;
- o Depth to water from top of casing;
- o Total depth;

- Water-level measuring device;
- Observer's initials; and
- Pertinent observations including well conditions.

On arriving at the well site, the following information was recorded on sample data sheets and in field notebooks:

- Well number;
- Date and time;
- Pertinent observations including weather and well conditions;
- Well information including station elevation, casing diameter, and screened interval;
- Field instrument identification;
- Initial PID readings for background and casing headspace;
- Well stickup above ground surface;
- Depth to water; and
- Total well depth.

Field instruments were calibrated against known standards prior to purging each well. These instruments were used to monitor field parameters including pH, temperature, and conductivity. In addition, dissolved oxygen was monitored in all pumped wells. Field parameter values were recorded for a portion of the initial water discharged from the well, after each casing volume was removed, and immediately prior to sample collection. An alkalinity titration was also performed on the portion of the well water obtained immediately prior to sampling.

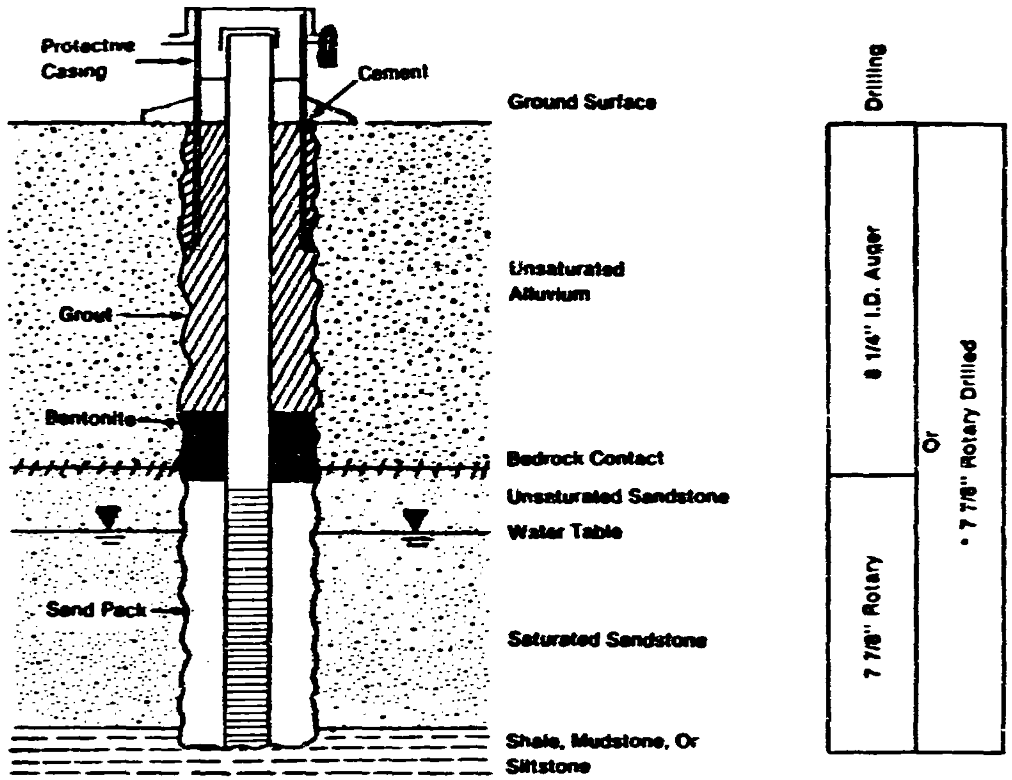
All wells were purged and sampled with either a pump or bailer. In general, wells containing less than 4 gallons/casing volume or known to dewater at one casing volume were purged and sampled by bailing; all other wells were pumped. The types of pumps used during the Task 44 sampling effort included 1.8-inch diameter ISCO Model 2600 bladder-type pumps, a 1.4-inch diameter Bennett Model 140 pump, and a 3-inch diameter Standard pump. An in-line flow cell consisting of an air-tight chamber fitted for instrument probes was used during purging in all pumped wells. Purged water from onpost wells was containerized at the well site. Offpost, purged water was discharged at least 50 ft from the well into natural drainage. A minimum of five casing

volumes were removed from each well prior to sampling; however, samples were not collected until field parameters had stabilized from three consecutive casing volumes. In the event that a well dewatered prior to the removal of five casing volumes or prior to stabilization of field parameters, samples were collected once sufficient recharge had been attained. If sufficient recharge was not attained within a 24-hour period, as many sample fractions were collected as possible.

Ground-water samples were collected either directly from pump discharge lines at low flow rates or from bottom-decanting bailers. All volatile and semivolatile sample fractions were filled completely and capped tightly to avoid air bubbles. Except for metals, all remaining sample fractions were filled to a minimum of 90-percent capacity. Metals fractions were filtered in the field using 0.45-micrometer nitrocellulose or cellulose acetate filters, filled to a minimum of 700 milliliters, and preserved with dilute nitric acid to a pH of 2 or less. Unfiltered nitrate fractions were preserved with sulfuric acid to a pH of 2 or less. All samples were placed on ice immediately upon filling and accompanied by appropriate chain-of-custody records.

All equipment used for sampling and water-level measurement was thoroughly decontaminated at the well site prior to storage. Each pump was decontaminated by triple rinsing all external parts with deionized water and pumping a volume of deionized water equal to three times the volume of the pump and hoses through the lines. All other equipment was cleaned in a solution of water approved by the Contracting Officer's Representative (COR) and trisodium phosphate, rinsed with COR-approved water, and triple rinsed with deionized water. All decontamination water was containerized at the well site.

Further description of Task 44 field procedures including sample shipment and documentation may be found in the Task 44 Final Technical Plan (ESE, 1988).



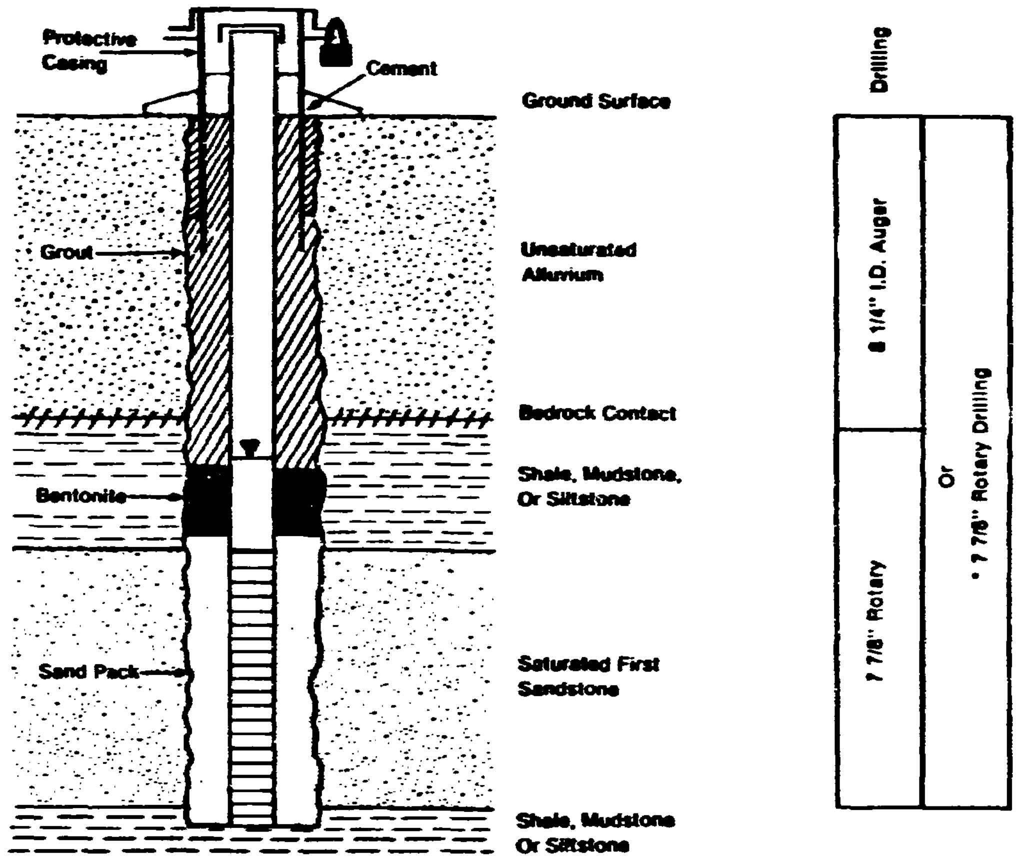
* Field Determination After Drilling Alluvium

CENTRALIZERS WERE PLACED ON ALL BLANK CASINGS AT INTERVALS OF NO MORE THAN 40 FEET.

Figure C-1
GENERALIZED BEDROCK AQUIFER MONITOR WELL CONSTRUCTION (DENVER FM WELL COMPLETED IN FIRST SANDSTONE, ALLUVIUM UNSATURATED, SANDSTONE AT THE ALLUVIAL-BEDROCK CONTACT, SANDSTONE PARTIALLY SATURATED)

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



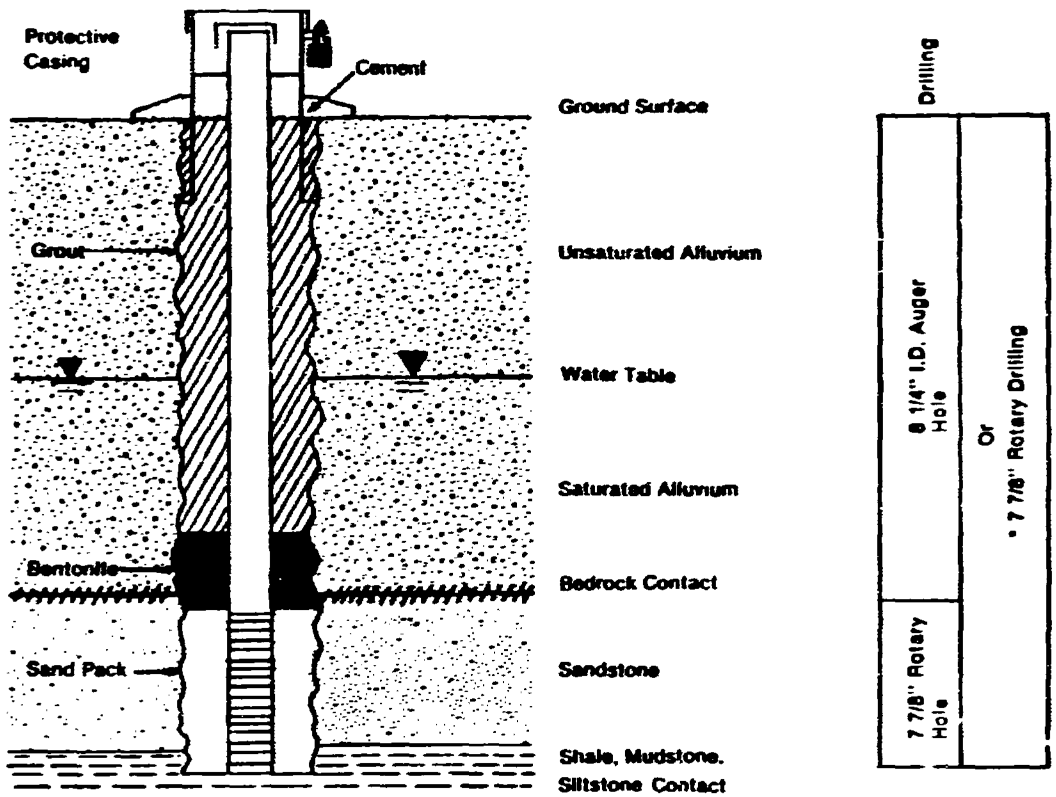
* Field Determined After Drilling Alluvium

CENTRALIZERS WERE PLACED ON ALL BLANK CASINGS AT INTERVALS OF NO MORE THAN 40 FEET.

Figure C-2
GENERALIZED BEDROCK AQUIFER MONITOR WELL CONSTRUCTION (DENVER FM. WELL COMPLETED IN FIRST SANDSTONE, ALLUVIUM UNSATURATED, SHALE AT THE ALLUVIAL-BEDROCK CONTACT)

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



* Field Determination After Drilling Alluvium

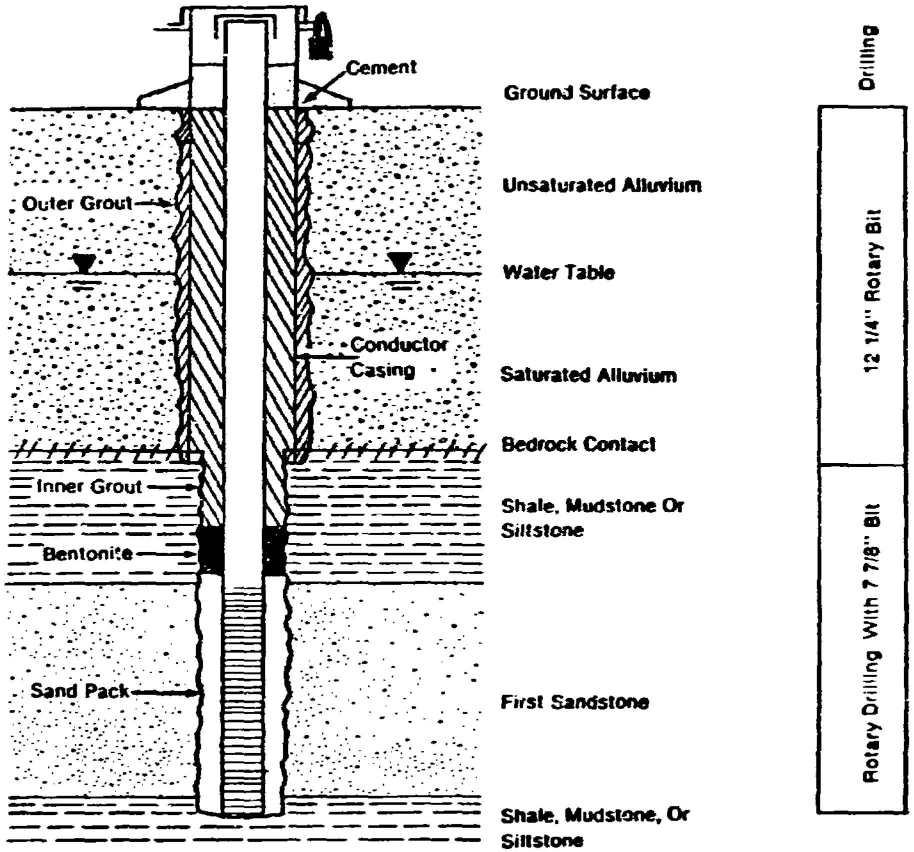
CENTRALIZERS WERE PLACED ON ALL BLANK CASINGS AT INTERVALS OF NO MORE THAN 40 FEET.

Figure C-3
GENERALIZED BEDROCK AQUIFER MONITOR WELL CONSTRUCTION (DENVER FM. WELL COMPLETED IN FIRST SANDSTONE, ALLUVIUM SATURATED, SANDSTONE AT THE ALLUVIAL-BEDROCK CONTACT)

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

Drawing: 888, T 44

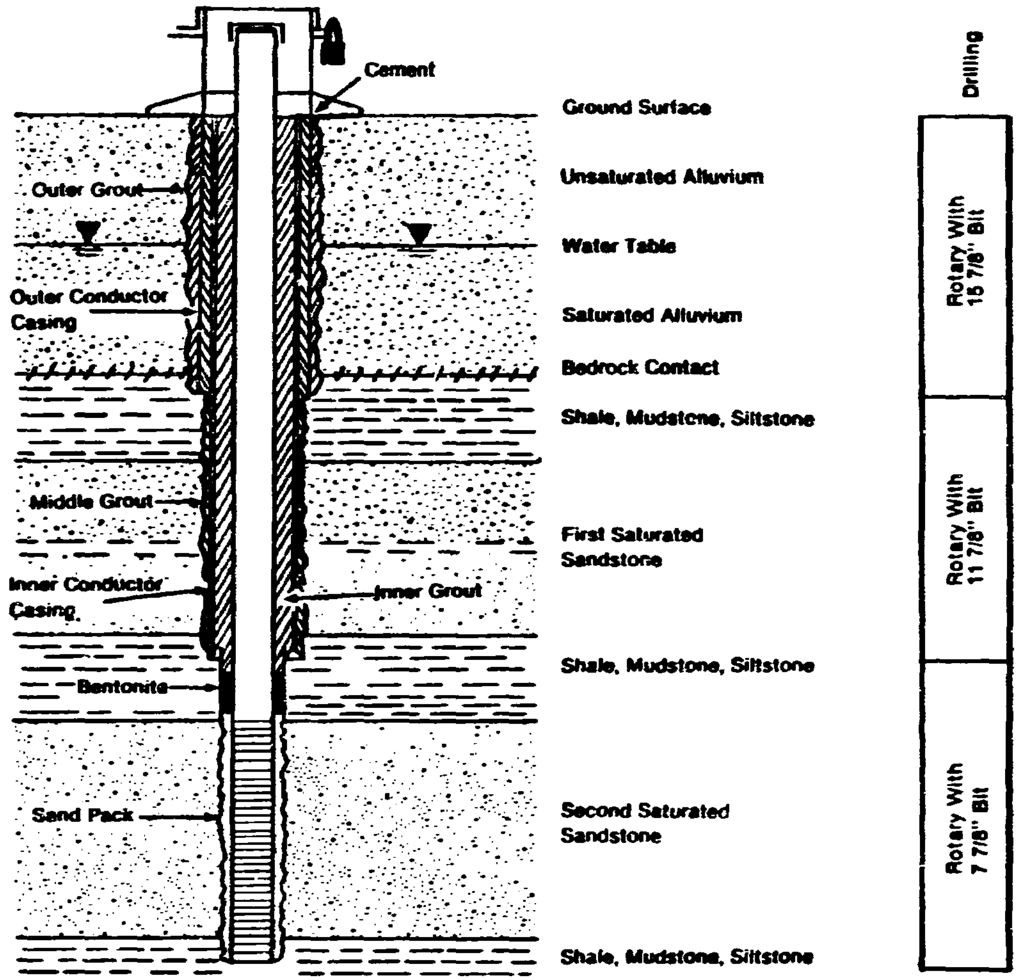


CENTRALIZERS WERE PLACED ON ALL BLANK CASINGS
AT INTERVALS OF NO MORE THAN 40 FEET.

Figure C-4
GENERALIZED BEDROCK AQUIFER MONITOR WELL CONSTRUCTION (DENVER FM WELL COMPLETED IN FIRST SANDSTONE, ALLUVIUM SATURATED, SHALE AT THE ALLUVIAL-BEDDROCK CONTACT)

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

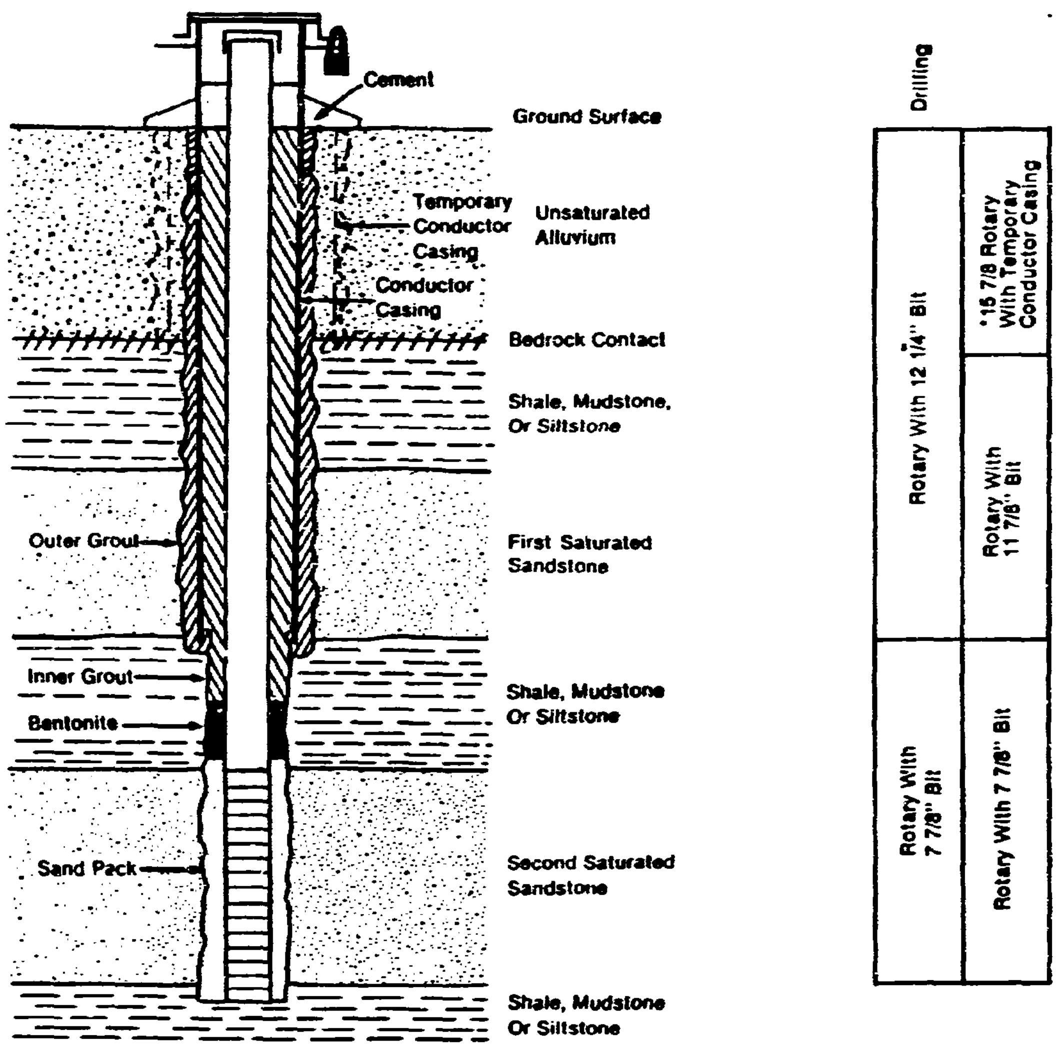


CENTRALIZERS WERE PLACED ON ALL BLANK CASINGS AT INTERVALS OF NO MORE THAN 40 FEET.

Figure C-5
GENERALIZED BEDROCK AQUIFER MONITOR WELL CONSTRUCTION (DENVER FM WELL COMPLETED IN SECOND SANDSTONE, ALLUVIUM SATURATED, SHALE AT THE ALLUVIAL-BEDROCK CONTACT)

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



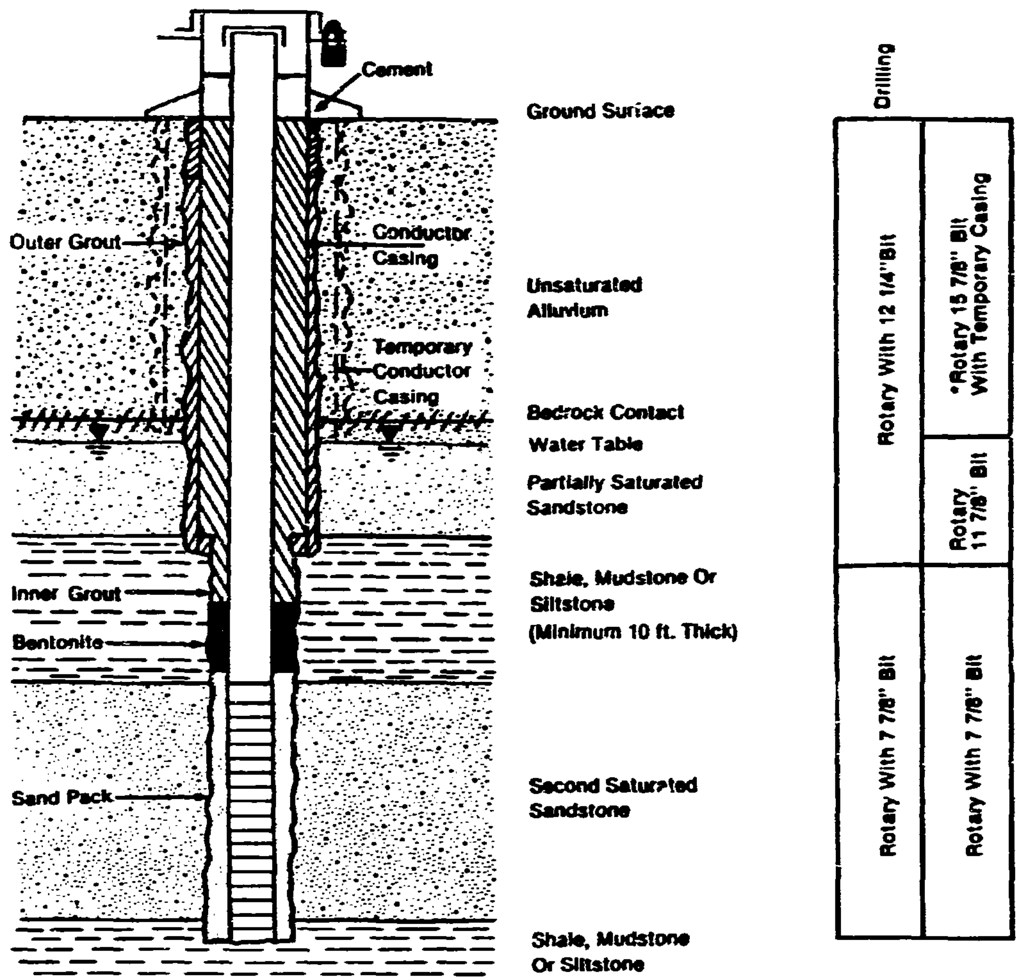
* Field Determination After Drilling Alluvium

CENTRALIZERS WERE PLACED ON ALL BLANK CASINGS AT INTERVALS OF NO MORE THAN 40 FEET.

Figure C-6
GENERALIZED BEDROCK AQUIFER MONITOR WELL CONSTRUCTION (DENVER FM. WELL COMPLETED IN SECOND SANDSTONE, ALLUVIUM UNSATURATED, SHALE AT THE ALLUVIAL-BEDROCK CONTACT, FIRST AND SECOND SANDSTONE SATURATED)

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



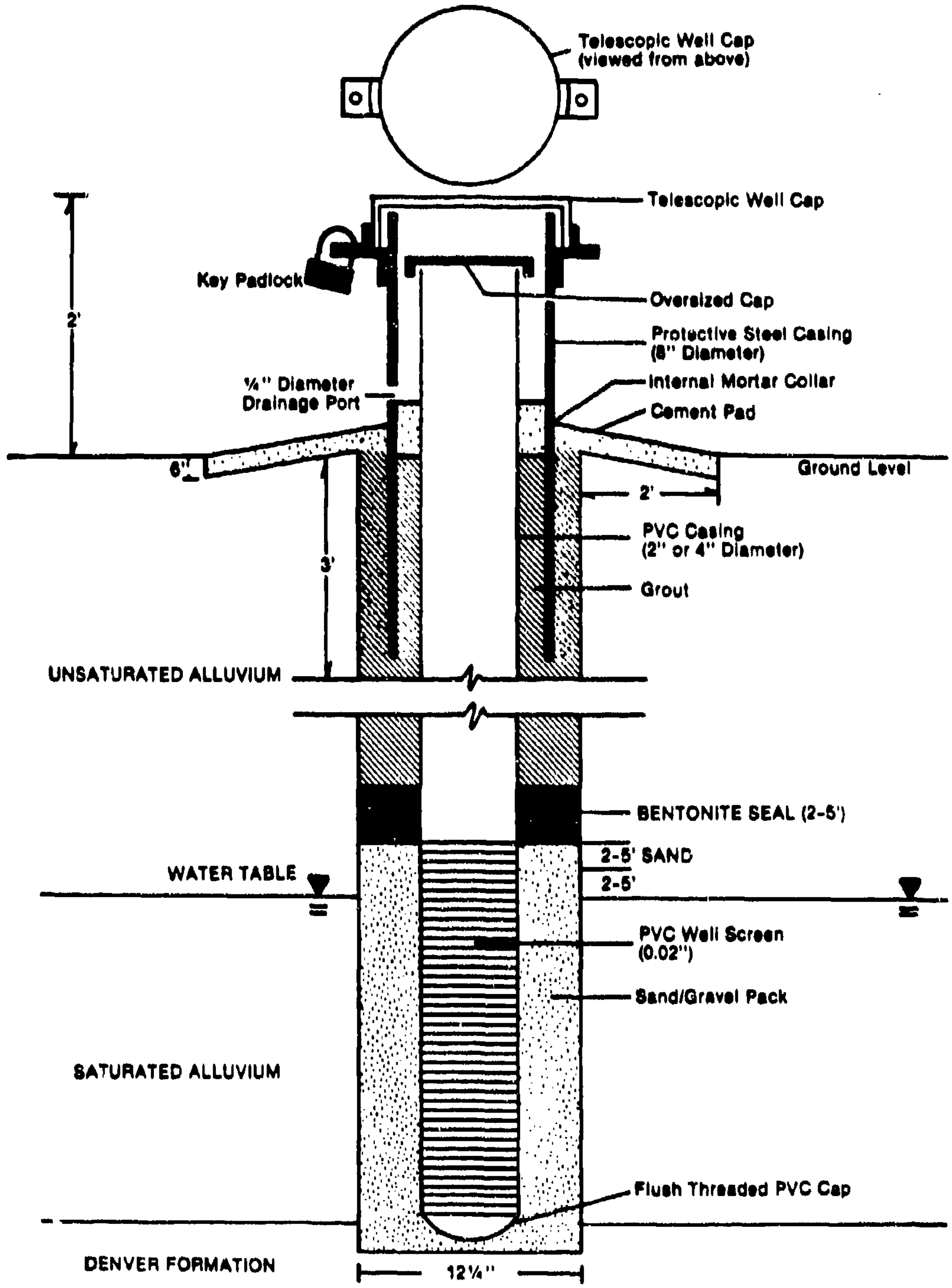
* Field Determination After Drilling Alluvium

CENTRALIZERS WERE PLACED ON ALL BLANK CASINGS AT INTERVALS OF NO MORE THAN 40 FEET.

Figure C-7
GENERALIZED BEDROCK AQUIFER MONITOR WELL CONSTRUCTION (DENVER FM. WELL COMPLETED IN SECOND SANDSTONE, ALLUVIUM UNSATURATED, SATURATED SANDSTONE AT THE ALLUVIAL-BEDROCK CONTACT)

SOURCE: Hunter/ESE, 1988

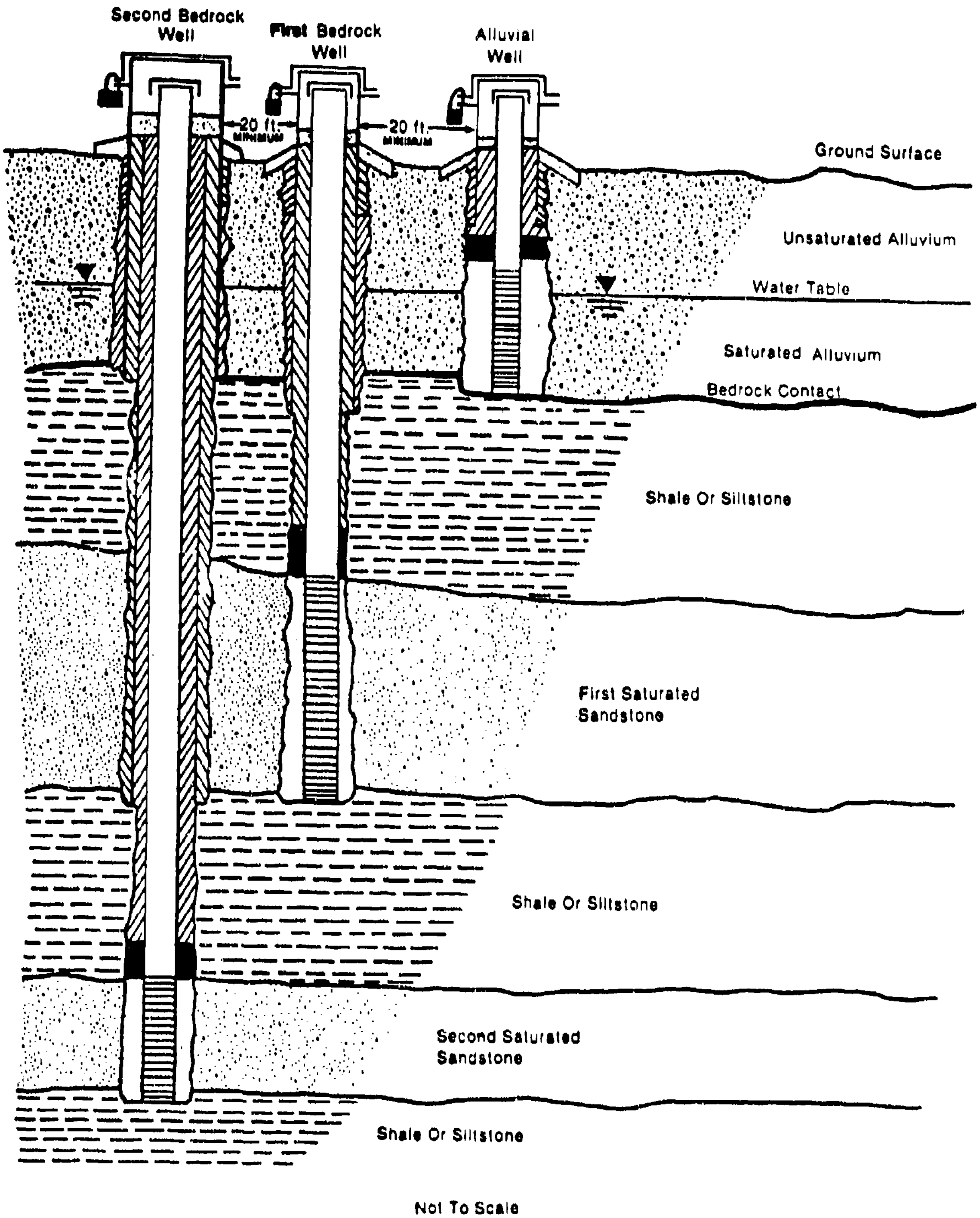
Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



SCALE: DIAGRAMMATIC

CENTRALIZERS WERE PLACED ON ALL BLANK CASINGS AT INTERVALS OF NO MORE THAN 40 FEET.

Figure C-8 **GENERALIZED AQUIFER MONITOR WELL CONSTRUCTION** SOURCE: Hunter/ESE, 1988	**Prepared for:** **U.S. Army Program Manager's Office For Rocky Mountain Arsenal** **Aberdeen Proving Ground, Maryland**



CENTRALIZERS WERE PLACED ON ALL BLANK CASINGS AT INTERVALS OF NO MORE THAN 40 FEET.

Figure C-9 SCHEMATIC DRAWING OF A TYPICAL CLUSTER WELL INSTALLATION SOURCE: Hunter/ESE, 1988	Prepared for: U.S. Army Program Manager's Office For Rocky Mountain Arsenal Aberdeen Proving Ground, Maryland

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

SHEET ______ OF ______

WELL DEVELOPMENT DATA

Bore__________ Well__________

Project __________ Project Number __________

Date(s) Developed __________ Date Installed __________

Personnel (Name/Company) __________ Well Diameter (I.D.) __________ in.

__________ Anulus Diameter ______ in. ______ ft. to ______ ft.

Rig Used __________ ______ in. ______ ft. to ______ ft.

Pump (Type/Capacity) __________ Screen Interval ______ ft. to ______ ft.

Bailer (Type/Capacity) __________ ______ ft. to ______ ft.

Water Source __________ Casing Height (Above G.L.) __________ ft.

Measured Well Depth TOC (Initial) ______ ft. Bottom of Screen (Below G.L.) __________ ft.

(Final) ______ ft.

Water Level TOC/Date/Time (Initial) __________

(after 24 hrs.) __________

Feet of Water in Well ______ ft. x ______ gallons/foot = ______ gallons casing/anulus volume

Drilling Fluid Lost ______ gallons One Purge Volume ______ gallons

Purge Water Lost ______ gallons Minimum Purge Volume ______ gallons

Added Water ______ gallons Total Purge Volume ______ gallons

Casing/Anulus Volume ______ gallons Volume Measured By __________

Surge Technique __________

Calibration. pH Meter Used: __________

pH 7.00 = ______ at ______ °C, pH 10.00 = ______ at ______ °C

Conductance Meter Used __________

Standard ______ umhos/cm at 25°, Reading ______ umhos/cm at ______ °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial					
Final					

Remarks: __________

____

____

Collected by __________
Signature Date

Checked by __________
Signature Date

Figure C-10
WELL DEVELOPMENT DATA FORM

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

APPENDIX C-2: WELL CONSTRUCTION DATA

EP-53

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

BOREHOLE SUMMARY LOG

Borehole EP-53 Well 23220, 23221, 23222

Project Name and Location MW Installation - Task 44 Project Number 12053 GB 10

Drilling Company Boyles Driller Roach Rig Number Failing Z5

Drilling Method(s) Rotary - with bentonite drill mud

Size(s) and type(s) of bit(s) 7 7/8" blade, 3 7/8" tricone

Borehole Diameter 7 7/8 in. ____ cm. 0 ft. ____ cm. to 40 ft. ____ cm.

3 7/8 in. ____ cm. 40 ft. ____ cm. to 132 ft. ____ cm.

Sampling Methods continuous core

Total Number Soil Sampling Tubes —

Total Number Core Boxes 8

Number of Gallons Lost Drilling Fluid ≃ 300

Date/Time Started Drilling 4-29-87 0941

Date/Time Completed Drilling 4-30-87 1535

Total Borehold Depth 132 ft. ____ cm.

Depth to Bedrock 40 ft. ____ cm.

Depth to Water — ft. ____ cm.

Water Level Determined By? —

Borehole Completed as Monitoring Well? No

Date/Time Grouting Completed 5-1-87 0944

Depth of Tremmie Pipe 130 ft.

Gallons of Grout 90 gals.

Materials Used 4 bags cement, 90 gals. water, partial bag bentonite

Comments grouted to surface - pvc removed as much as possible (≃ 4' below ground)

Wellsite Geologist C Benson Date 5-1-87

Checked for Grout Settlement on 5/2/87 by [signature]

Amount of Grout Added none needed

All Measurements from Ground Level

Reviewed by [signature] Date [illegible]

Drill Site Geologist ____ Date ____

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0838

Borehole: EP53A Well Number: 23220

Depth-Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
0–2	0-2	100%		0-2	ML	silt/sand/clay – clay 40%, silt 20%, sand 20%, 2.5y 4/4 olive brown, med. dense, nonplas., dry -occas. roots.
2–4	2-4	100%		2-4	SM	Silty sands – silt 12%, clay 1% (slight), 10yr 5/4 yellowish brown, loose, nonplas, dry, occas. calc. rich area
4–6	4-6	100%		4-6	5' SC 5.6'	interbed of SC – clayey sand – clay 40% – 10yr 3/6 dk yellowish brown, dense, nonplas, dry
6–8	6-8	100%		6-8		6' – calc/dolo. intensified to 2" band calc/dolo. about 5% – throughout sample 6-8'
8–10	8-10	100%		8-10	CL	CLAY (SANDY) – sand 20% – 10yr 4/4 dk. yellowish brown – med. dense, nonplas dry
10–12	10-12	100%		10-12		

C-43

Drill Site Geologist: C-Litus Log: C Bauer Date: 5 12 87

Reviewed By: [illegible] Date: [illegible]

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

Borehole: EP 53A   Well Number: 23220

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
	12-14	100%		12-14	CL	CLAY (sandy) Sand 20% - 10yr 4/4 dk yellowish brown, med. dense, nonplas, dry
14	14-16	100%		14-16		
16	16-18	80%		16-18		
					17.5' SW	GRADED SANDS - 10% gravel, 2.5y 4/4 olive brown, loose, nonplas, dry gravel usually rounded to subrounded, 1/4"-1/2", [illegible]
18	18-20	70%		18-20		
20	20-22	80%		20-22		
					21' SC	Clayey Sand - clay 30% - 2.5yN4/2 dk grayish brown, med. dense, nonplas, sl. moist (?)
22	22-24	100%		22-24	CL	clay - 2.5yN4/2 dk grayish brown, dense, nonplas, dry
24					23'	GP - Gravel/sand

Drill Site Geologist: G. Litus Log: C Benson   Date: 5/2/87   C-44

Reviewed By: [illegible]   Date:

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0638

Borehole: EPS3A Well Number: 23220

SOILS LOG

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	Description
	24-26	90%		24-26	GP	gravel/sand mixture - gravel 60% - gravel subangular to subround 10yr 5/4 yellowish brown, loose, non plas, dry
26					25.5 SP	SANDS - fine, 10yr 5/4 yellowish brown, loose, non-plas, dry
	26-28	80%		26-28		gravel appears at 26' - gravel 10% - mostly 1/2 or smaller (pea-size), well rounded -
28	28-30	100%		28-30		
30	30-31.2	100%		30-31.2		
32	31.2-33	80%		31.2-33		31.2' gravel increases to 2" down to "4", subangular approx. 15%
34	33-35	50%		33-35		Moist sample at 34'
36	35-37	90%		35-37		saturated - water at 35'

Drill Site Geologist: [illegible] Date: 5-12-87 C-45

Reviewed By: [illegible] Date: [illegible]

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

Borehole: EP-53A Well Number: 23220

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
					SP	gravelly sands, gravel 10%, 10yr 5/4 yellowish brown, coarse, nonplas, sat. → 36.6-36.8' clay/weathered bedrock seam
38	37-39	100%		37-39		BEDROCK at 38' claystone - 5y 5/3 olive - soft & weathered
40						END OF BORING AT 40'

Drill Site Geologist: C. L[illegible] Log: C. [illegible] Date: [illegible]

Reviewed By: [illegible] Date:

ESE, Inc. CORE LOG By CDB Date 5-1-87 BORE EP-53 Well(s) ______ Page 1 of 5

BOX no.	DEPTH	Rec. Int	Width U S	Structure / Bedding Angle	Structure / Bedding Desc	Hardness	Perm 1°	Perm 2°	Mineralogy Min	Mineralogy Habit	Color (M) G	Texture / Grain Size	Lith. Char	Lith. Class	Description / Comments (Scale 1" = 2 ft)
															casing set to 41' - bedrock at 38' - see Alluvial Log
	42	.8/4			?				?		2.5Y 5/2 grayish brown		?	CL	Very poor recovery: all recovered looks like claystone (and quartz/granite cobbles - from up hole) However, Resistivity log ~~looks~~ indicates sandstone from 46' to 49' - samples show no evidence of this - but it fits projection from other holes -
	44														
	46	.2/4													
	48														
1		1.5			massive						2.5Y N2/0 black			Lg	Liquite -
	50														
					highly fractured										
	52	3.3/4									2.5Y N5/0 gray		Cbn to 20%	CL	CLAYSTONE carbon-rich claystone
	54				massive								occas. silt to 2%		
	56	2.8/5													
	58												Cbn to 5%		carbon % dec. ↓

C-47

BORE EP-53 WELL(S)

E, Inc.

ESE, Inc. CORE LOG By CDB Date 5-1-87 BORE EP-53 Well(s) ______ Page 2 of 5

Box No.	Depth	Rec. Int	Weath. U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm 1° L H	Perm 2° L H	Mineralogy Min	Mineralogy Habit	Color (M) G	Texture/Grain Size clay silt sd gr .01 .10 100 mm	Lith Char Ft	Lith Class	Description/Comments CM (Scale 1" = 2 ft)
	62	2.7/4			Massive				small Fd 1%		2.5Y N3/0 very dark gray			CL	CLAYSTONE
2	64, 66	2.5/5			graded bedding, very coarse grading ⊥ to core				qtz. 65% Fd. 5% mus. 5% bio. 10%	all rounded			63'	SS	SANDSTONE; SANDSTONE coarser ≈ 66-69'
	68, 70	4/3			Massive								70'	CL	1' of recovery from uphole CLAYSTONE
3	72, 74, 76	3/5													
	78	4.5/5							Cban 5%	primar			77'		

BORE EP-53 WELL(S)

E, Inc.

BOX no.	DEPTH	Rec. Int	Structure / Bedding Angle	Structure / Bedding Desc.	Mineralogy Min	Color	Lith. Char.	Lith. Class	Description / Comments (Scale 1" = 2 ft)
3	82			Massive	Clay to 10%	2.5Y N6/0 gray	silt 5%	CL	CLAYSTONE
							sand to 10%, silt 5%		Claystone gradationally more sandy (& silty)
	84	3.2 / 5							
	86			Fracs. every .5-.7 ft	Clay frags. & maybe on fracs.		85'	SS	SANDSTONE occas. conglomeritic beds <1" thick from 89' to 90'
	88	4.5 / 4		87' graded bedding undulating from 60° to 90° from core	mus 3%, FeOx stains 1%				87' - coarse sand to small gravel-size clasts - graded in beds 1" thick; clay follows bedding; .5' of recovery from uphole. FeOx stains strange - 87 to small (1") circles of orange stain
4	90					2.5Y N3/0 very dark gray	90.4	CL	CLAYSTONE
	92	0 / 3		Massive	Clay pervasive 10%				
					Clay 20%				Lignite more intense
	94	5 / 2			mus 2%	5Y 5/1 gray			3" of recovery from preceding run
5	96								
	98	4.4 / 5							
	100								

ESE, Inc. CORE LOG By COB Date 5-1-87 BORE EP53 Well(s) ______ Page 4 of 5

BOX no.	DEPTH	Rec. Int	Structure / Bedding: Desc.	Mineralogy: Min	Mineralogy: Habit	Color	Lith. Char.	Lith Class	Description / Comments (Scale 1" = 1 ft)
5			massive			5y 5/1 gray		CL	CLAYSTONE
	102			Fd (small)	2%		102 silty & "ashy" to 5%		
	104	2.2 / 5		clom to 5%					
	106	5 / 2							3' of recovery from up hole
6	108								
	110	5 / 5		clom 3% frags & massive					end of silty/ashy texture
	112								
7	114	4.4 / 5					silt 5%		silty texture gradually increasing
	116						117 silt up to 15%		
	118	5 / 5							

BORE EP53 WELL(S) ______ Inc

C-50

ESE, Inc. CORE LOG By CDB Date 5/87 BORE EP-53 Well(s) ______

Box no.	DEPTH	Rec. Int.	Weath. U S	Structure / Bedding Angle	Structure / Bedding Desc	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min	Mineralogy Habit	Color M G	Texture / Grain Size (clst sd gr) mm .01 1.0 100	Lith. Char	Lith Class Ft	Description / Comments CM (Scale 1" = 2 ft)
					Massive						2.5Y N7/0 Light gray		Silt to 30%		CLAYSTONE - silty
	122												122 silt 10% 123		122' carbon frag - twig clearly distinguishable [illegible]; SANDSTONE INTERBED
	124	5/5			Finely bedded occas.								124 silt 10%		SANDSTONE Finer than uphole - more friable
8															
	126												127		CLAYSTONE
	128	2.3/5							Clay to 10%						
	130														
	132														END OF HOLE AT 132'

BORE EP-53 WELL(S)

E, Inc.

Frontier Logging
Lakewood, Colorado

Company	ESE
Bore Hole	EP 53
Area/Project	RMA
County	ADAMS COUNTY
State	COLORADO
Section	
Township	
Range	
Elevation	
Log Measured From	Ground Level
Date	MAY 1, 1987
Driller Depth	132 FT
Bit Size	3 7/8"
Casing	PVC @ 35'
Fluid in Hole	native mud
Density/Viscosity	
Drilling Measured From	Ground Level
Time In	0745
Time Out	0835
Unit No.	110
Operator	Wm. Linton
Location	Lakewood

EQUIPMENT DATA

T.D. Logged	132 FT
Natural Gamma	200 Scale = 20 CPS per Inch
Time Constant	2 Sec
Logging Speed	15 Ft/Min
Calib. Source No/Value	CPS
Probe No.	103-1041
Probe Diameter	1 5/8"
Detector Type Size	xtal 3/4 x 1 1/4"
K Factor	1.60 x 10^-5
Dead Time	7 Microsec
Water Factor	1.10
for hole size	3 7/8"
Casing Factor	
Resistance	40 ohms/5" Ohms per 5 Inches
S.P.	20 MV/Inch MV per Inch

NATURAL GAMMA REPEATS (ANALOG)
(label log all scales)

Scale	CPS/In	Scale	CPS/In	Scale	CPS/In	Scale	CPS/In
TC Sec	Logging Speed Ft/Min	TC Sec	Logging Speed Ft/Min	TC Sec	Logging Speed Ft/Min	TC Sec	Logging Speed Ft/Min
From Ft	To Ft	From Ft	To Ft	From Ft	To Ft	From Ft	To Ft
Total Ft		Total Ft		Total Ft		Total Ft	

Gamma (Analog) Ft	Density Source No
Gamma (Digital) Ft	Type / Size
Caliper Ft	CPS/Inch
Temperature Ft	
DIRECTIONAL DATA	Neutron Source No
Closure Ft	Type / Strength
Azimuth	CPS/Inch
True Vertical Ft / Survey Depth Ft	

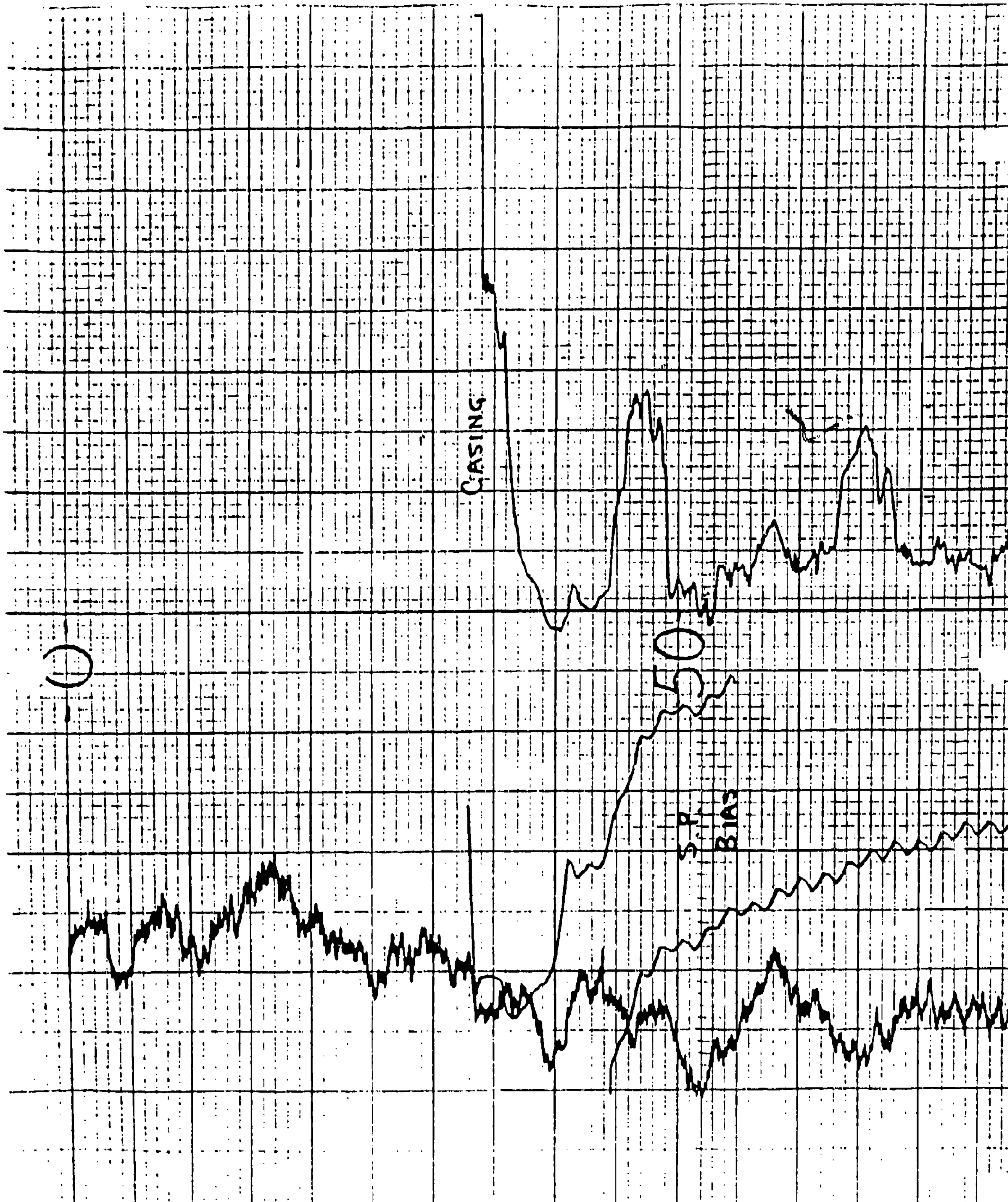
NATURAL GAMMA 20 CPS
Initial Log

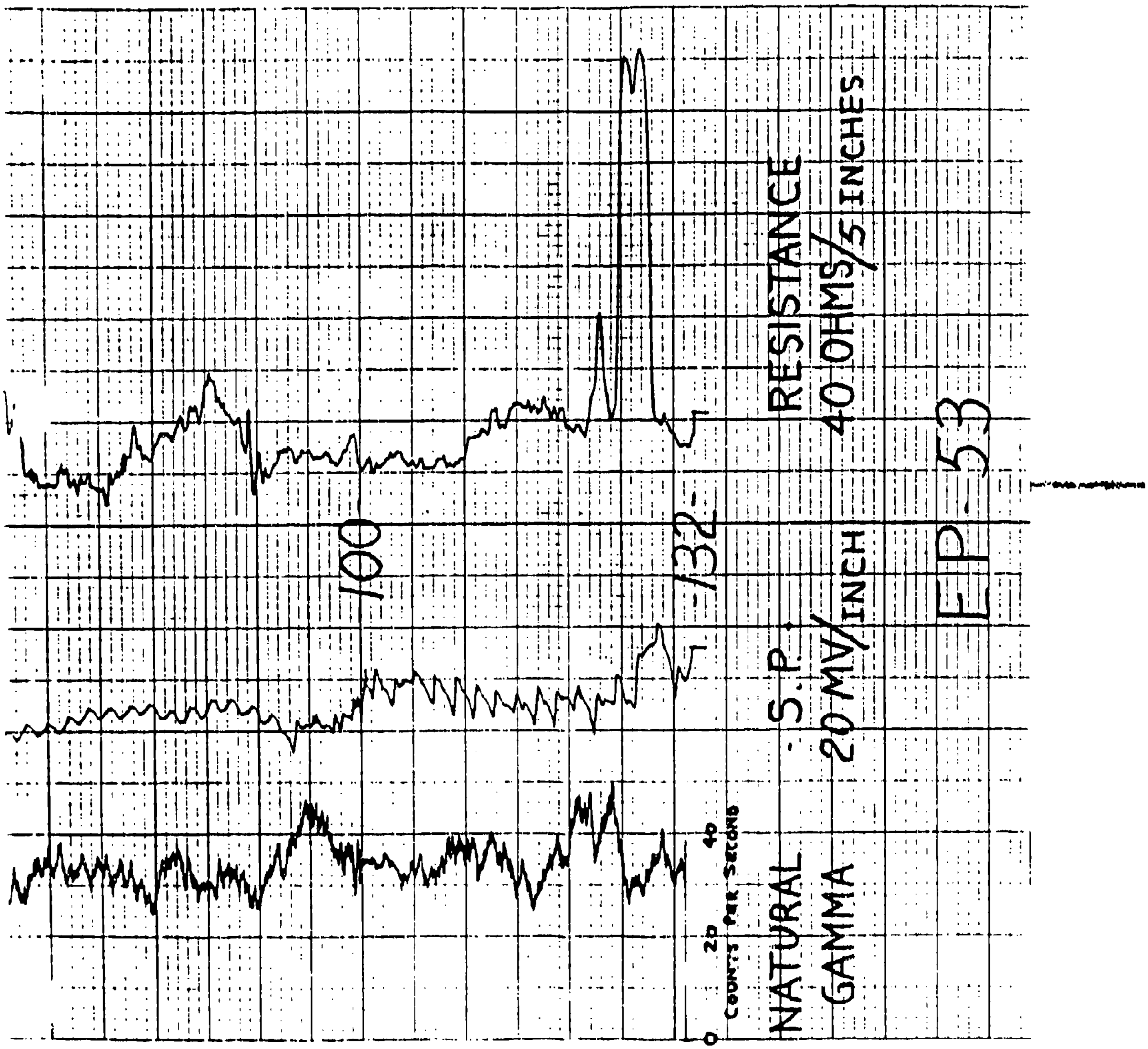
S.P. 20 MV

RESISTANCE 40 OHMS/ 5 Inches

C-52

0 20 40 60
COUNTS PER SECOND


CASING
S.P.
BIAS


RESISTANCE
40 OHMS/5 INCHES
S.P.
20 MV/INCH
NATURAL
GAMMA
20
40
COUNTS PER SECOND
0
100
132
EP-53
FRONTIER LOGGING CORPORATION

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL CONSTRUCTION SUMMARY

Borehole EP-53A Well ~~EP-53-A~~ SP 23220

Project Name and Location Task 44 [illegible] Project Number 17053 [illegible]

Drilling Company Boyles Bros Driller Dave Jarvie Rig Number 5451

Drilling Method(s) Auger

Borehole Diameter 12 1/4 in. ____ cm. 0 ft. ____ cm. to ~~28~~ 39.07 ft. ____ cm.

____ in. ____ cm. ____ ft. ____ cm. to ____ ft. ____ cm.

Size(s) and types of Bit(s) Auger

Size and Type PVC 4" .020 slot

Total Borehole Depth 39.07 ft. ____ cm.

Depth to Bedrock 38 ft. ____ cm.

Depth to Water 35 ft. ____ cm.

Water Level Determined By Samples

Length Plain PVC (total) ~~20.38~~ 29.88 ft. ____ cm.

Length of Screen 10.89 ft. ____ cm.

Total Length of Well Casing 40.77 ft. ____ cm.

PVC Stick Up 1.7 ft. ____ cm.

Depth to Bottom of Screen 39.07 ft. ____ cm.

Depth to Top of Screen 28.18 ft. ____ cm.

Depth to Top of Sand 22.6 ~~22.77~~ ft. ____ cm.

Depth to Top of Bentonite 17.3 ft. ____ cm.

Sampling Method(s) Continuous Split Spoon

Date/Time Start Drilling 5/7/87 / 0855

Date/Time Finish Drilling 5/7/87 / 1442

Date/Time Start Completion 5/7/87 / 1442

Date/Time Cement Protective Casing 5/8/87 / 1000

Materials Used 20 2' tubes 40 caps

Plain PVC 3 - 10' Sections

Slotted PVC 1 - 10' Sections

Bentonite Pellets —

Bentonite Granular 5 Bags

Cement 11 Bags

Sand 11 Bags

Water added during completion 300 gals

Water added during drilling 5

Total Gallons of water added 300 gals

Drill Site Geologist [signature]

Date 5/13/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed [illegible]

Date/Time/Personnel Casing Painted 06-17-87 0800 RJB DLW

Date/Time/Personnel Numbers Painted 6-17-87 0845 RJB [illegible]

Materials Used 12 bags of Sakrete

Top of Protective Casing to Top of PVC ~~.[illegible]~~ .15 ft. .034 [illegible]

Top of Protective Casing to Weep Hole ~~1.[illegible]~~ ft. 1.45 [illegible]

Top of Protective Casing to Internal Mortar ~~1.[illegible]~~ ft. 1.45 [illegible]

Top of Protective Casing to Top of Cement Pad ~~1.[illegible]~~ ft. 1.57 [illegible]

Top of Protective Casing to Ground Level ~~[illegible]~~ ft. [illegible]

COMMENTS/NOTES

Reviewed By [signature] Date [illegible]

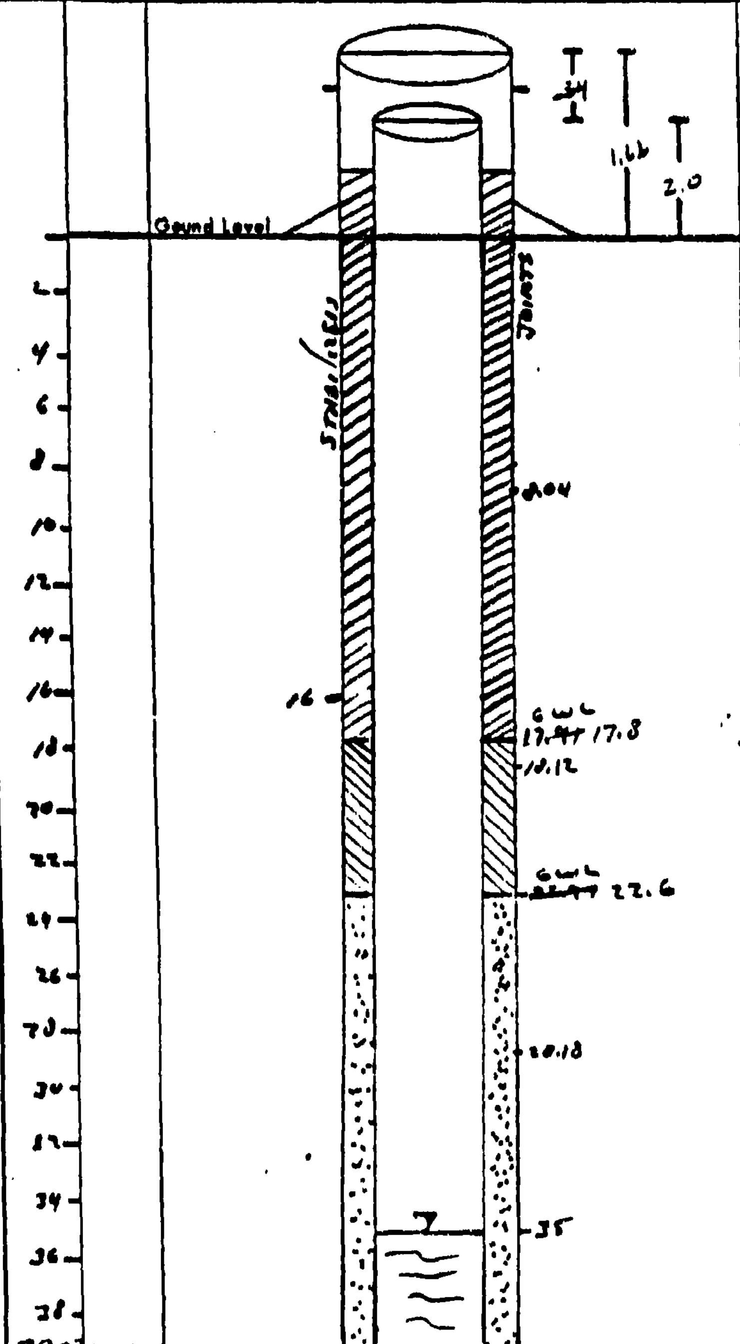
Drill Site Geologist ____

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0838

Borehole: EP-53A

Well: ~~EP-53A~~ 23220 SP

Depth-Feet	Soil/Rock Type	Well Completion	Description



17.91

TOP OF SAND

H_2O AT 35'

39.07 Bottom of Boring

Drill Site Geologist: [signature] Date: 5/13/87

Reviewed By: [signature] Date: 4/2/88

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

SHEET 1 OF 3

WELL DEVELOPMENT DATA

Bore EP 53 A   Well 23220

Project RMA ON Post   Project Number 44

Date(s) Developed 06-22-87   Date Installed 05-07-87

Personnel (Name/Company) PJB ESE   Well Diameter (I.D.) 4 in.

DLW ESE   Anulus Diameter 12¼ in. 0 ft. to 39.07 ft.

Rig Used ESE Well Service Truck   — in. — ft. to — ft.

Pump (Type/Capacity) GRUNDFOS / 12 GPM   Screen Interval 23.18 ft. to 39.07 ft.

Bailer (Type/Capacity) N/A   — ft. to — ft.

Water Source RMA   Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 40.85 ft.   Bottom of Screen (Below G.L.) 39.07 ft.

(Final) 40.7 ft.

Water Level TOC/Date/Time (Initial) 36.43 06-22-87 0845

(after 24 hrs.) 36.36 6-26-87 1151

Feet of Water in Well 4.22 ft. x 2.32 gallons/foot = 9.79 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons   One Purge Volume 309.79 gallons

Purge Water Lost N/A gallons   Minimum Purge Volume 1548.95 gallons

Added Water 300 gallons   Total Purge Volume 1550 gallons

Casing/Anulus Volume 9.79 gallons   Volume Measured By 5gal Bucket Timed

Surge Technique Raise + Lower Pump

Calibration: pH Meter Used: Beckman Φ21 Digital SN: 015333

pH 7.00 = 7.01 at 22.9 °C, pH 10.00 = 10.04 at 22.2 °C

Conductance Meter Used: Curtin Matheson Digital SN: 14274

Standard 408 umhos/cm at 25°, Reading 1408 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	0900	23.7	8.09	940	Silty - brown-gray Mod. neg. HNu 0.5 initial @ well head
310	1058	16.3	7.43	3510	Slightly silty - lt. gray. lt. neg.
Final					PJB

Remarks: HNU at Well Head 0.0 after 10 min

Collected by Phillip Bird 06-22-87
Signature Date

C-57

Checked by

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0638

SHEET 2 OF 3

WELL DEVELOPMENT DATA

Bore E53 A
Well 23220
Project RMA ON Post
Project Number
Date(s) Developed 06/23/87
Date Installed 05-07-87
Personnel (Name/Company) DLW/ESE ABW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12 1/4 in. 0 ft. to 39.07 ft.
in. ft. to ft.
Rig Used ESE Well Service Truck
Pump (Type/Capacity) Grundfos / 12 GPM
Screen Interval 23.15 ft. to 39.07 ft.
ft. to ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 40.65 ft. (Final) 40.75 ft.
Bottom of Screen (Below G.L.) 39.07 ft.
Water Level TOC/Date/Time (Initial) 36.43 06-22-87 0845
(after 24 hrs.) 36.36 6-26-87 1151
Feet of Water in Well 4.22 ft. x 2.32 gallons/foot = 9.79 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 309.79 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 1548.95 gallons
Added Water 300 gallons
Total Purge Volume 1550 gallons
Casing/Anulus Volume 9.79 gallons
Volume Measured By Sea / Bucket Time
Surge Technique Raise & LOWER Pump

Calibration: pH Meter Used: Beckman Φ21 Digital SN: 015883
pH 7.00 = 7.01 at 21.1 °C, pH 10.00 = 10.05 at 21.2 °C
Conductance Meter Used: CMS SN: 4274
Standard 1408 umhos/cm at 25°, Reading 1409 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 310	0857	16.4	7.37	3500.	cloudy, brown, silty & much fine sand, white no
620	1054	14.0°	7.42	3540	clear, no silt or sand H-B: [illegible]
930	1500	13.7	7.28	35[illegible]	clear, no silt or sand H-B: [illegible]
1122	1604	12.6	7.35	3590	slightly cloudy, some silt H-B
Final					

Remarks: initial Hnu = 0.0 ppm, Hnu readings after pumping = 1.5-3.5 ppm.
- used 2 more barrels to complete last purge volume ( )
(118 gallons)

Calibration after lunch: (1306)
pH 7 = pH 7.00 @ 26.5°c pH 10 = 10.00 @ 26.2°c
conductivity:

Collected by [signature] Signature 06-23-87 Date

C-58

Checked by

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore E53A   Well 23220

Project RMA ON Post
Project Number
Date(s) Developed 06-24-87
Date Installed 05-07-87
Personnel (Name/Company) PJR ESE
DLW ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12¼ in. 0 ft. to 39.07 ft.
in. ft. to ft.
Rig Used ESE Well Service Truck
Pump (Type/Capacity) GRUNDFOS / 12 GAM
Screen Interval 23.18 ft. to 39.07 ft.
– ft. to – ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 40.65 ft.
(Final) 40.75 ft.
Bottom of Screen (Below G.L.) 39.07 ft.

Water Level TOC/Date/Time (Initial) 36.43 06-22-87 0845
(after 24 hrs.) 36.31 / 06-26-87 / 1151

Feet of Water in Well 4.22 ft. x 2.32 gallons/foot = 9.79 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 309.79 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 1548.95 gallons
Added Water 300 gallons
Total Purge Volume 1550 gallons
Casing/Anulus Volume 9.79 gallons
Volume Measured By 5gal Bucket Timed
Surge Technique Raise & Lower Pump

Calibration: pH Meter Used: Beckman φ 21 Digital SN! 015883
pH 7.00 = 7.01 at 20.3 °C, pH 10.00 = 10.06 at 20.3 °C
Conductance Meter Used: CMS SN! 4274
Standard 1408 umhos/cm at 25°, Reading 1408 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 1122	0755	16.7°C	7.36	3550	cloudy, gry-brown, fine-grained sand present, H-S neg.
1240	0829	13.1	7.37	3600	clear, no color, no odor, H-S: neg, no sand/silt
1550	1030	13.9	7.30	3560	clear, no color, no odor, no sand/silt, H-S: neg.
Final					

Remarks: Initial HNU = background - 0.2 ppm. (at well head)
HNU = background 70.0 ppm after 110 minutes (at wellhead)
HNU = 2.8 ppm after 145 minutes (at well head)

Collected by [signature] Signature 6-24-87 Date
Checked by [signature]

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0630

WELL CONSTRUCTION SUMMARY

Borehole EP-53D1 Well 23221
Project Name and Location MW Installation Sect. 23 Project Number 17053 083 10
Drilling Company Boyles Driller Roach Rig Number Failing 25
Drilling Method(s) rotary w/ bentonite mud

Borehole Diameter 11 7/8 in. ____ cm. 0 ft. ____ cm. to 41 ft. ____ cm.
7 7/8 in. ____ cm. 41 ft. ____ cm. to 50 49 ft. ____ cm.

Size(s) and types of Bit(s) 11 7/8, 7 7/8 blade
Sampling Method(s) NA
Date/Time Start Drilling 818 5.7.87
Date/Time Finish Drilling 0904 5.7.87
Date/Time Start Completion 5.7.87 0935
Date/Time Cement Protective Casing 5.7.87 1210

Size and Type PVC 4" sched. 40
Total Borehole Depth 49 ft. ____ cm.
Depth to Bedrock 36 ft. ____ cm.
Depth to Water 35 ft. ____ cm.
Water Level Determined By soil sample saturated
Length Plain PVC (total) 45 ~~50.7~~ .00 ft. ____ cm.
Length of Screen 5.70 ft. ____ cm.
Total Length of Well Casing 50.7 ft. ____ cm.
PVC Stick Up 1.7 ft. ____ cm.
Depth to Bottom of Screen ~~45~~ 49 ft. ____ cm.
Depth to Top of Screen 43.3 ft. ____ cm.
Depth to Top of Sand 42.3 ft. ____ cm.
Depth to Top of Bentonite 38.3 ft. ____ cm.

Materials Used —
Plain PVC 5 x 10'
Slotted PVC 1 x 5'
Bentonite Pellets 1 1/4 buckets
Bentonite Granular 1/5 bag
Cement 80 gals
Sand 1.25 bags
Water added during completion —
Water added during drilling —
Total Gallons of water added —

Drill Site Geologist C Benson Date 5.7.87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed [illegible]
Date/Time/Personnel Casing Painted 06-17-87 0830 PJB [illegible]
Date/Time/Personnel Numbers Painted ~~[illegible]~~
Materials Used 13 bags Quickcrete 1 Roll Tin (06-17-87 0845 [illegible])

Top of Protective Casing to Top of PVC 0.5 ft. ____ cm.
Top of Protective Casing to Weep Hole 0.6 ft. ____ cm.
Top of Protective Casing to Internal Mortar 0.77 ft. ____ cm.
Top of Protective Casing to Top of Cement Pad 1.3 ft. ____ cm.
Top of Protective Casing to Ground Level [illegible] ft. ____ cm.

COMMENTS/NOTES

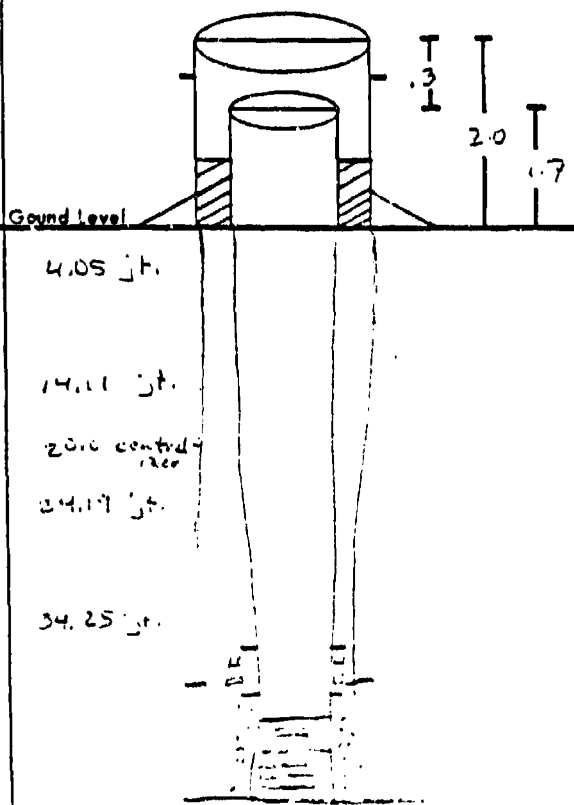
Reviewed By [illegible] Date [illegible]

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0838

Borehole: E/53D1

Well: 23221

Depth-Feet	Soil/Rock Type	Well Completion	Description
5			
10			
15			
20			
25			
30			
35			TOP OF BENTONITE 39.3'
40			8" steel casing - 41' TOP OF SAND 42.5 (*) TOP OF SCREEN 45.3
45			
50			Total Depth 49'



(*) NOTE [illegible]

Drill Site Geologist: J. Benson Date: 5-7-87

Reviewed By: [illegible] Date: [illegible]

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP 53-DL Well 23221

Project RMA ON-POST
Date(s) Developed 06/26/87
Personnel (Name/Company) PJB / ESE
DLW / ESE
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 12 GPM
Bailer (Type/Capacity) N/A
Water Source RMA
Measured Well Depth TOC (Initial) 49.20 ft. (Final) 50.84 ft.

Project Number TASK 44
Date Installed 05/07/87
Well Diameter (I.D.) 4 in.
Anulus Diameter 11 3/8 in. 0 ft. to 41 ft.
7 7/8 in. 41 ft. to 49 ft.
Screen Interval 43.3 ft. to 49 ft.
— ft. to — ft.
Casing Height (Above G.L.) 1.7 ft.
Bottom of Screen (Below G.L.) 49 ft.

Water Level TOC/Date/Time (Initial) 36.44 / 06-26-87 / 0856
(after 24 hrs.) 36.6 / 6-29-87 / 1145
Feet of Water in Well 12.76 ft. x .2653 gallons/foot = 3.33 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
Purge Water Lost N/A gallons
Added Water ∅ gallons
Casing/Anulus Volume 3.33 gallons

One Purge Volume 14.04 gallons
Minimum Purge Volume 70.2 gallons
Total Purge Volume 176 gallons
Volume Measured By 5 GALLON BUCKET TIMED
Surge Technique RAISE & LOWER PUMP

Calibration: pH Meter Used: BECKMAN 21 SN: 015883
pH 7.00 = 7.00 at 24.1 °C, pH 10.00 = 10.02 at 24.3 °C
Conductance Meter Used: CMS DIGITAL SN: 11339
Standard 1408 umhos/cm at 25°, Reading 1408 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	0915	19.9	12.10	4650	cloudy, grout or cmt. & sand settled in bottom H-B Neg.
15	1030	22.8	12.29	3280	cloudy, silty w/ grout or cmt.
	1133 — well dewatered in 37 gallons —				
Final				DLW	

Remarks: INITIAL HNU @ WELLHEAD = 0.0 ppm.
SANDPACK VOLUME = 0.852 x 6.7 ft = 5.71 gal. + 8.33 gal. = 14.04 gals. = 1 Purge Volume
Well dewatered @ ≈ 9.0 gal (0 min) 0934

Sandpack = 49.0
− 42.3
= 6.7 ft.

Collected by [signature] 06 26 87
Signature Date

Checked by [signature]

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP53D1 Well 23221

Project RMA ON POST
Project Number I-44
Date(s) Developed 07/06/87
Date Installed 05-07-87
Personnel (Name/Company) RLW/ESE, PJB/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11 7/8 in. 0 ft. to 41 ft.; 7 7/8 in. 41 ft. to 49 ft.
Rig Used ESE well service Truck
Pump (Type/Capacity) NA
Screen Interval 43.3 ft. to 49 ft.; ft. to ft.
Bailer (Type/Capacity) 3.85" X 2'
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 49.20 ft. (Final) 50.84 ft.
Bottom of Screen (Below G.L.) 49 ft.
Water Level TOC/Date/Time (Initial) 36.44 01-26-87 0856 (36.44 07-06-87 0747
(after 24 hrs.) ~~0653~~ 36.6 7/28/87 1145
Feet of Water in Well 12.76 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 14.04 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 70.2 gallons
Added Water 0 gallons
Total Purge Volume 176 gallons
Casing/Anulus Volume 8.33 gallons
Volume Measured By 5 gal Bucket
Surge Technique Bailing

Calibration: pH Meter Used: Beckman Φ21 SN: 015883
pH 7.00 = 7.00 at 24.1 °C, pH 10.00 = 10.03 at 23.6 °C
Conductance Meter Used: CMS DIGITAL SN: 14274
Standard 1000 umhos/cm at 25°. Reading 1002 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 19	0801	12.4	12.61	4210	Very slightly cloudy, some formation sand.
35	0958	13.5	12.71	5830	cloudy, sand & gravel present
40	1050	14.6	12.63	5570	very cloudy w/ bentonite, gray
41	1405	14.0	12.67	5400	Slightly cloudy gray w/ silt.
46	1409	12.5°	12.74	5460	cloudy w/ gray silt gravel
Final RLW		dewatered			

Remarks: 6.7 Ft Sand Pack x .852 = 5.71 + 8.33 = 14.04 CASING ANNULUS Vol. ; Well dewatered @ ≈ 11½ gallons on 1st purge ; well dewatered @ 7 gallons on 2nd purge HNU @ wellhead = 10.0 ppm initially ; well dewatered 3x stages on 3rd stage.

Collected by [signature] 07/06/87
Signature Date

Checked by ______ 8-6-87

Recalibration @ 1320 SN: 015883
pH 7.00 = 6.98 @ 32.1°C
pH 10.00 = 9.95 @ 32.5°C

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP 53 D-L Well 23221

Project RMA ON-POST
Project Number T-44
Date(s) Developed 07/07/87
Date Installed 05-07-87
Personnel (Name/Company) DLW/ESE
DJB/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11 3/4 in. 0 ft. to 41 ft.
7 7/8 in. 41 ft. to 49 ft.
Rig Used ESE well service truck
Pump (Type/Capacity) N/A
Screen Interval 43 ft. to 49 ft.
— ft. to — ft.
Bailer (Type/Capacity) 3.85 x 2'
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 49.20 ft.
(Final) ft.
Bottom of Screen (Below G.L.) 49 ft.
Water Level TOC/Date/Time (Initial) 36.44/06-26-87 (37.13/7-7-87/0700)
(after 24 hrs.) 36.6 7/28/87 1145
Feet of Water in Well 12.76 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 14.04 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 70.2 gallons
Added Water Ø gallons
Total Purge Volume 176 gallons
Casing/Anulus Volume 8.33 gallons
Volume Measured By 5 gallon bucket
Surge Technique Bailing

Calibration: pH Meter Used: BECKMAN Ø21 SN: 015883
pH 7.00 = 7.02 at 18.3 °C, pH 10.00 = 10.08 at 18.1 °C
Conductance Meter Used: CMS DIGITAL SN: 14274
Standard 1000 umhos/cm at 25°, Reading 1001 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 46	0721	12.6	12.83	5050	mostly clear - some settlement of fine sand
58	0731	12.7	12.91	5480	cloudy, gray bentonite/grout
Final					

Remarks: Initial HNU at wellhead = 0.2 ppm (0715); Well dewatered @ 12 gallons (0731)

Sand Pack vol:
6.7 ft sand pack X 0.85 = 5.71 gal.

Collected by [illegible] 7/7/87
Signature Date
Checked by [illegible]

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EV53DL Well 23221

Project RMA ON POST
Project Number T-44
Date(s) Developed 07-09-87
Date Installed 05-07-87
Personnel (Name/Company) DLW / ESE
JJB / ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11 3/8 in. 0 ft. to 44 ft.
7 7/8 in. 44 ft. to 49 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) N/A
Screen Interval 43.3 ft. to 49 ft.
ft. to — ft.
Bailer (Type/Capacity) 3.35 x 2'
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 49.20 ft.
(Final) ft.
Bottom of Screen (Below G.L.) 49 ft.
Water Level TOC/Date/Time (Initial) 36.44 / 06-26-87 / 0856 (36.44 / 07-06-87 / 0747)
(after 24 hrs.) 36.6 912487 [illegible]
Feet of Water in Well 12.76 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 14.04 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 70.2 gallons
Added Water 0 gallons
Total Purge Volume 176. gallons
Casing/Anulus Volume 8.33 gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN Φ21 SN: 015883
pH 7.00 = 7.03 at 17.1 °C, pH 10.00 = 10.09 at 17.4 °C
Conductance Meter Used: CMS DIGITAL SN: 14243
Standard 1408 umhos/cm at 25°, Reading 1406 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial ~~46~~ DW 58	0759	12.3	12.74	6780	mostly clear
71	0709	12.4	12.86	8020	Cloudy w/ a [illegible] dissolved bentonite & formation sand.
Final					

Remarks: Well developed in 13 gallons (0809)

Collected by [signature] 07/08/87
Signature Date
Checked by [signature]

Sand pack = 6.7 ft x .852 gal/ft = 5.71 gal
5.71 + 8.33 = 14.04 gallons = 1 purge vol.

0-65

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0630

WELL DEVELOPMENT DATA

Bore E2 53 DL Well 23221

Project ______ Project Number T-44

Date(s) Developed 7/13/87 Date Installed 5-7-87

Personnel (Name/Company) DLW / ESE
ABW / ESE

Well Diameter (I.D.) 4 in.

Anulus Diameter 113 in. 0 ft. to 41 ft.
7¾ in. 41 ft. to 49 ft.

Rig Used ESE WELL SERVICE TRUCK

Pump (Type/Capacity) N/A

Bailer (Type/Capacity) 3.85 X 2'

Screen Interval 43.3 ft. to 49 ft.
— ft. to — ft.

Water Source RMA

Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 45.20 ft.
(Final) ______ ft.

Bottom of Screen (Below G.L.) 49 ft.

Water Level TOC/Date/Time (Initial) 36.44/06-26-87/856 (36.44/7-6-87/0747)
(after 24 hrs.) 21.6 9/12/87 1105

Feet of Water in Well 12.76 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
One Purge Volume 14.02 gallons

Purge Water Lost N/A gallons
Minimum Purge Volume 70.2 gallons

Added Water Ø gallons
Total Purge Volume 17W gallons

Casing/Anulus Volume 8.33 gallons
Volume Measured By 5 GALLON BUCKET

Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN Φ 21 SN: 015353
pH 7.00 = 7.04 at 14.7 °C, pH 10.00 = 10.12 at 15.2 °C
Conductance Meter Used: CMS DIGITAL SN: 14274
Standard 1408 umhos/cm at 25°, Reading 1409 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 71	0904	11.9°C	12.75	5820	MOSTLY CLEAR
84	0914	12.0°C	12.93	8120	cloudy w/gray dissolved BENTONITE & FORMATION SAN.
Final					

Remarks: Initial HNU @ wellhead = 0.0ppm
well DEWATERED AT 13 GALLONS.

Second purge vol = 6.7' X .862 gal/ft = 5.71 gal
5.71 + 8.33 = 14.04 gal = 1 purge vol.

Collected by ______ Signature 7/13/87 Date

Checked by ______ Signature

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP53DL Well 23221

Project RMA ON POST
Project Number TASK 44
Date(s) Developed 7/14/87
Date Installed 5-7-87
Personnel (Name/Company) DLW/ESE ABW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11 in. 0 ft. to 41 ft.; 7 in. 41 ft. to 49 ft.
Rig Used ESE well service truck
Pump (Type/Capacity) N/A
Screen Interval 43.3 ft. to 49 ft.; ~~43.3~~ ft. to ~~49~~ ft.
Bailer (Type/Capacity) 3.85 x 2'
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 45.20 ft. (Final) ____ ft.
Bottom of Screen (Below G.L.) 49 ft.
Water Level TOC/Date/Time (Initial) 36.44 / 06-26-87) (36.44 / 7-6-87 / 0747)
(after 24 hrs.) 36.6 7/24/87 1145

Feet of Water in Well 12.76 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 14.02 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 70.2 gallons
Added Water 0 gallons
Total Purge Volume 176 gallons
Casing/Anulus Volume 8.33 gallons
Volume Measured By 5 GAL BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: #015883 (Beckman Ø 21 ph Meter)
pH 7.00 = 7.07 at 20.4 °C, pH 10.00 = 10.07 at 20.4 °C
Conductance Meter Used: #14274 (•CWS DIGITAL)
Standard 1408 umhos/cm at 25°, Reading 1408 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 84	0837	12.3	12.66	7380	clear
96½	0850	12.2	12.71	8070	cloudy, gray dissolved ... & formation sand.
Final					

Remarks: Initial HNU @ well head = 0.0 ppm. Well dewatered in 12½ ...

1 purge vol. = 5.71 (sand pack vol.)
+ 8.33 (casing/anulus vol.)
14.04 gal.

Collected by [signature] 7-14-87
Signature Date

Checked by [signature] 8-6-87
Signature

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

SHEET 7 OF 12

WELL DEVELOPMENT DATA

Bore EP-53 DI. Well 23221

Project RMA ON POST | Project Number TASK 44

Date(s) Developed 7/20/87 | Date Installed 5-7-87

Personnel (Name/Company) DLW / ESE, ABW / ESE | Well Diameter (I.D.) 4 in.

Rig Used ESE WELL SERVICE TRUCK | Anulus Diameter 13 in. 0 ft. to 41 ft.; 23 in. 41 ft. to 49 ft.

Pump (Type/Capacity) N/A | Screen Interval 42.3 ft. to 49 ft.; — ft. to — ft.

Bailer (Type/Capacity) 3.85" x 2.0'

Water Source RMA | Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 45.20 ft. (Final) ___ ft. | Bottom of Screen (Below G.L.) 49 ft.

Water Level TOC/Date/Time (Initial) 36.44/06-26-87/0856 (36.44/7-6-87/0747) (

(after 24 hrs.) 36.6 7/21/87 1145

Feet of Water in Well 12.76 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons | One Purge Volume 14.02 gallons

Purge Water Lost N/A gallons | Minimum Purge Volume 70.2 gallons

Added Water ø gallons | Total Purge Volume 176 gallons

Casing/Anulus Volume 8.33 gallons | Volume Measured By 5 GALLON BUCKET

Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN ø 21 SN: 015883

pH 7.00 = ~~[illegible]~~ 7.00 at ~~25.9~~ 26 °C, pH 10.00 = 10.00 at 26.5 °C

Conductance Meter Used: CMS DIGITAL SN: 14243

Standard 1000 umhos/cm at 25°, Reading 1002 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 96 1/2	1050	13.4	12.49	4030	clear
108	1100	12.8	12.73	6040	somewhat cloudy w/ dissolved bentonite & fine sand
		DEWATERED			
Final					DLW

Remarks: Initial HNU @ wellhead = 0 ppm (7/20/87 1025)
Well dewatered in 117 1/2 gallons.

1 Purge vol = 5.71 (Sand pack vol.)
+ 8.33 (casing/anulus vol.)
14.04 gals

Collected by [signature] Signature 7/21/87 Date

Checked by [signature] Signature

3 6-68 [illegible]

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP-53 D1 Well 23221

Project RMA ON POST — Project Number TASK 44
Date(s) Developed 7/24/87 — Date Installed 5/7/87
Personnel (Name/Company) DLW/ESE — Well Diameter (I.D.) 4 in.
ABW/ESE — Anulus Diameter 11 3/4 in. 0 ft. to 41 ft.; 7 7/8 in. 41 ft. to 49 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) N/A — Screen Interval 43.3 ft. to 49 ft.; — ft. to — ft.
Bailer (Type/Capacity) 3.85" x 2.0'
Water Source RMA — Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 48.20 ft. — Bottom of Screen (Below G.L.) 49 ft.
(Final) ___ ft.
Water Level TOC/Date/Time (Initial) 36.44 / 6-26-87 / 0856
(after 24 hrs.) 36.6 9/18/87 1145
Feet of Water in Well 12.76 ft. x .653 gallons/foot = 8.33 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons — One Purge Volume 14.02 gallons
Purge Water Lost N/A gallons — Minimum Purge Volume 70.2 gallons
Added Water ∅ gallons — Total Purge Volume 176 gallons
Casing/Anulus Volume 8.33 gallons — Volume Measured By 5 GALLON BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN #21 SN: 015083
pH 7.00 = 7.00 at 25.2 °C, pH 10.00 = 10.01 at 25.0 °C
Conductance Meter Used: CMS DIGITAL SN: 14243
Standard 1000 umhos/cm at 25°, Reading 1000 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 103	0806	13.3	12.40	4370	clear
120	0822	13.0	12.52	5590	cloudy w/ dissolved bentonite ?, silt
Final					DLW

Remarks: Initial HNu @ wellhead = 12.5 ppm ! 7/24/87 0745
Surfaced in 120 gallons.

1 Purge Vol = 5.71 Sand Pack Vol.
+ 8.33 Casing/Anulus Vol.
14.04 gallons

Collected by [signature] Signature 7/24/87 Date
Checked by [signature] Signature

C-69

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore ER53 D1 Well 23221

Project RMA ON-POST

Project Number TASK 44

Date(s) Developed 7/27/87

Date Installed 5/7/87

Personnel (Name/Company) DW/ESE PER/ESE

Well Diameter (I.D.) 4 in.

Anulus Diameter 11⅞ in. 0 ft. to 41 ft.
7⅞ in. 41 ft. to 49 ft.

Rig Used ESE WELL SERVICE TRUCK

Pump (Type/Capacity) N/A

Screen Interval 43.3 ft. to 49 ft.
— ft. to — ft.

Bailer (Type/Capacity) 3.88" X 10'

Water Source RMA

Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 45.20 ft. (Final) ft.

Bottom of Screen (Below G.L.) 49 ft.

Water Level TOC/Date/Time (Initial) 36.44 / 6-26-87 / 0856
(after 24 hrs.) 36.6 9-28-97 1145

Feet of Water in Well 12.76 ft. x .653 gallons/foot = 8.33 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons

One Purge Volume 14.02 gallons

Purge Water Lost N/A gallons

Minimum Purge Volume 70.2 gallons

Added Water ∅ gallons

Total Purge Volume 176 gallons

Casing/Anulus Volume 8.33 gallons

Volume Measured By 5 GALLON BASKET

Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN φ21 SN: 01588?

pH 7.00 = 7.00 at 25.4 °C, pH 10.00 = 10.01 at 25.1 °C

Conductance Meter Used: CMS DIGITAL SN: 14?15

Standard 1000 umhos/cm at 25°, Reading 1003 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 120	0814	13.0	12.64	4750	Clear.
131	0824	12.7	12.84	5590	cloudy, w/ dissolved [illegible], silt & some fine sand.
Final					

Remarks: Initial HNU @ wellhead = 13.5 ppm
Well dewatered in 11 gallons.

1 Purge Vol: = 5.71 Sand Pack Vol.
+ 8.31 Casing/Anulus Vol.
14.02 gallons

Collected by [illegible] Signature 7-27-87 Date

Checked by [illegible] Signature

C-70

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore BP 53 D1 Well 23224

Project RMA - ON-POST
Project Number TASK 44 DW
Date(s) Developed 7/28/87
Date Installed 5/7/87
Personnel (Name/Company) DLW / ESE
PJB / ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11 3/4 in. 0 ft. to 41 ft.
7 7/8 in. 41 ft. to 49 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) N/A
Bailer (Type/Capacity) 3.85" x 20'
Screen Interval 43.3 ft. to 49 ft.
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 45.20 ft.
Bottom of Screen (Below G.L.) 49 ft.
(Final) ft.
Water Level TOC/Date/Time (Initial) 26.44 / 6-26-87 / 0856
(after 24 hrs.) 36.6 9/28/87 1145
Feet of Water in Well 12.76 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 14.02 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 70.2 gallons
Added Water Ø gallons
Total Purge Volume 176 gallons
Casing/Anulus Volume 8.33 gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN Φ 21 SN: 015883
pH 7.00 = 7.00 at 24.2 °C, pH 10.00 = 10.02 at 24.7 °C
Conductance Meter Used: CMS INDICTAL
Standard 1000 umhos/cm at 25°, Reading 1000 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 131	0807	12.5	12.62	4790	clear
153	0819	12.7	12.76	5040	cloudy w/ dissolved gray bentonite ? & fine sand
Final					LLW

Remarks: ~~Initial Hnu @ wellhead = 0.0 ppm~~ DW Hnu wasn't working! (See previous readings) Well dewatered to 12 gallons.

1 Purge vol = 5.71 Sand pack vol.
+ 8.33 Casing/Annulus Vol.
14.04 gallons

Collected by [signature] 7 28 87
Signature Date
Checked by [signature]
Signature

C-71

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP 53 D1 Well 23221

Project RMA - ON-POST
Project Number TASK 44 DW
Date(s) Developed 8/4/87
Date Installed 5/7/87
Personnel (Name/Company) DLW / ESE
JEP / HLA
Well Diameter (I.D.) 4 in.
Anulus Diameter 11 in. 0 ft. to 41 ft.
7 7/8 in. 41 ft. to 49 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) N/A
Screen Interval 43.3 ft. to 49 ft.
Bailer (Type/Capacity) 3.85" x 2.0'
— ft. to — ft.
Water Source RMA
Casing Height (Above G.L.) .7 ft.
Measured Well Depth TOC (Initial) 48.20 ft. (Final) ft.
Bottom of Screen (Below G.L.) 49 ft.
Water Level TOC/Date/Time (Initial) 36.44 / 6-26-87 / 0856
(after 24 hrs.) 36.6 9-28-87 1141
Feet of Water in Well 12.26 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 14.02 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 70.2 gallons
Added Water Ø gallons
Total Purge Volume 176 gallons
Casing/Anulus Volume 8.33 gallons
Volume Measured By 5 gallon bucket
Surge Technique Bailing

Calibration: pH Meter Used: Beckman Φ21 SN: 015883
pH 7.00 = 7.01 at 20.7 °C, pH 10.00 = 10.04 at 20.4 °C
Conductance Meter Used: CMS Digital SN
Standard 1000 umhos/cm at 25°, Reading 1001 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 153	0711	12.7	12.53	4110	Clear.
165	0722	12.5	12.67	4490	partly cloudy w/ some silt, some [illegible]
Final					

Remarks: Initial [illegible] = 0.0 ppm
Well dewatered in [illegible] gallons.

Purge vol = 5.71 Sand pack vol.
+ 8.33 Casing vol.
14.04 gallons

Collected by [signature] Signature 8 6 87 Date

Checked by [signature] Signature

C-72

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore E2-5201 Well 23221

Project RMA EN-POST
Project Number TASK 44
Date(s) Developed 8/11/87
Date Installed 5/7/87
Personnel (Name/Company) DLW/ESE PJB/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11¾ in. 0 ft. to 41 ft.; 7¾ in. 41 ft. to 49 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) N/A
Screen Interval 43.3 ft. to 49 ft.; ___ ft. to ___ ft.
Bailer (Type/Capacity) 3.5" X 2.0'
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 49.20 ft. (Final) 50.84 ft.
Bottom of Screen (Below G.L.) 49.0 ft.
Water Level TOC/Date/Time (Initial) 36.44 / 6-26-87 / 0856
(after 24 hrs.) 36.6 / 09-28-87 / 1145
Feet of Water in Well 12.26 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 14.02 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 70.2 gallons
Added Water Ø gallons
Total Purge Volume 176 gallons
Casing/Anulus Volume 8.33 gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN Ø21 SN: 015883
pH 7.00 = 7.00 at 23.7 °C, pH 10.00 = 10.07 at 23.5 °C
Conductance Meter Used: CMS DIGITAL SN: 11341
Standard 1000 umhos/cm at 25°, Reading 1000 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 165	0856	12.6	12.53	3800	clear
FINAL 176	0908	12.6	12.73	5090	Cloudy w/ lt gray silt, possible bentonite. Some black/gray formation sand.
					DLW

Remarks: Initial H&U [illegible] = 1.0 gpm
Well [illegible] in [illegible] gallons

[illegible] vol. = 176 and [illegible]
- 8.33 casing vol.
[illegible]

Collected by [illegible] signature 8-[illegible] date
Checked by [illegible] signature

C-75

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0630

WELL CONSTRUCTION SUMMARY

Borehole EP 53-DZ Well ~~EP~~ 23222

Project Name and Location RMA Project Number 744

Drilling Company Boyles Bros. Driller R. Roach Rig Number

Drilling Method(s) Rotary

Borehole Diameter 17 1/2" in. ___ cm. 0 ft. ___ cm. to 40' ft. ___ cm.
11 1/2 in. ___ cm. 40 ft. ___ cm. to 50 ft. ___ cm.
7 7/8" 50 70.3

Size(s) and types of Bit(s) 17 1/2", 11 1/2", 7 7/8" blade bits

Size and Type PVC 4" schedule 40

Total Borehole Depth 70.3 ft. ___ cm.

Depth to Bedrock 37 ft. ___ cm.

Depth to Water — ft. ___ cm.

Water Level Determined By —

Length Plain PVC (total) 60.9 ft. ___ cm.

Length of Screen 10.7 ft. ___ cm.

Total Length of Well Casing 71.7 ft. ___ cm.

PVC Stick Up 1.4 ft. ___ cm.

Depth to Bottom of Screen 70.3 ft. ___ cm.

Depth to Top of Screen 59.6 ft. ___ cm.

Depth to Top of Sand 57.6 ft. ___ cm.

Depth to Top of Bentonite 52.6 ft. ___ cm.

Sampling Method(s) NA

Date/Time Start Drilling 8:00 5/15/87

Date/Time Finish Drilling 9:30 5/15/87

Date/Time Start Completion 9:30 5/15/87

Date/Time Cement Protective Casing 12:00 5/15/87

Materials Used

Plain PVC 6 x 10', 1 x 5'

Slotted PVC 1 x 10'

Bentonite Pellets 1.5 buckets

Bentonite Granular 1.2 bags

Cement 12 bags

Sand 2 bags

Water added during completion none

Water added during drilling none

Total Gallons of water added 0

Drill Site Geologist C. M. Walker Date 5/15/87

7/23/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 06-1450 0500 [illegible]

Date/Time/Personnel Casing Painted [illegible]

Date/Time/Personnel Numbers Painted [illegible]

Materials Used 18 Bags quick-crete Roll Lawn Edging 1/2 Bg cement 1 [illegible]

Top of Protective Casing to Top of PVC .54 ft. ___ cm.

Top of Protective Casing to Weep Hole 1.24 ft. ___ cm.

Top of Protective Casing to Internal Mortar 1.10 ft. ___ cm.

Top of Protective Casing to Top of Cement Pad 1.45 ft. ___ cm.

Top of Protective Casing to Ground Level ___ ft. ___ cm.

COMMENT/NOTES

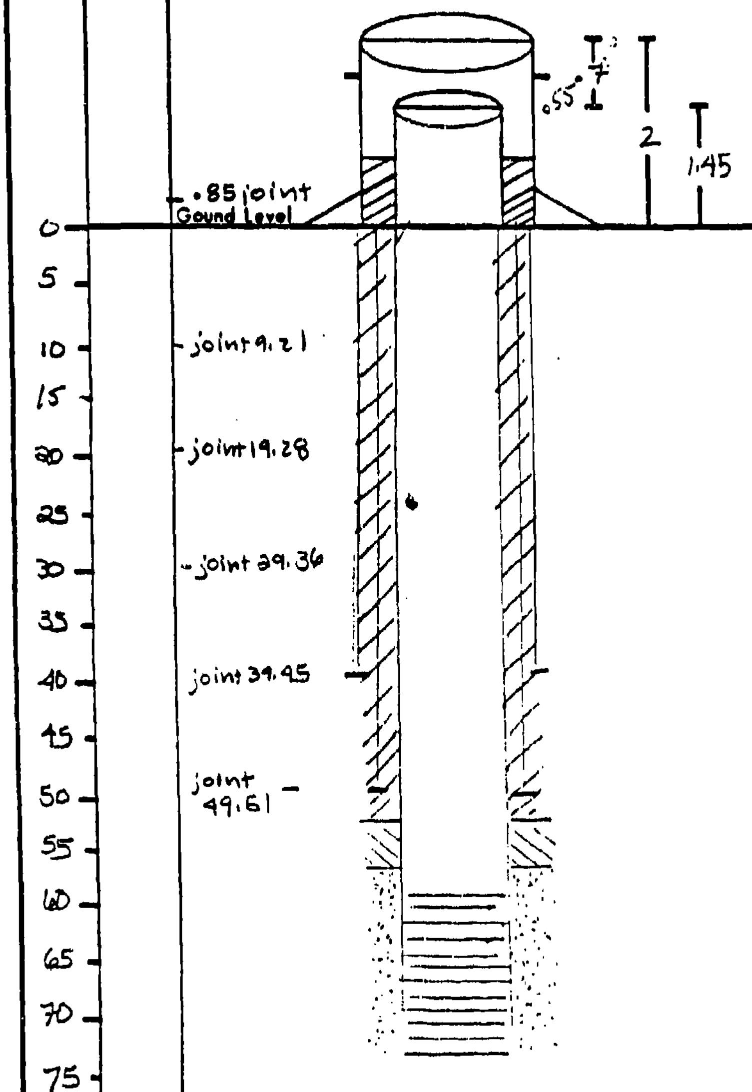
Reviewed By ___ Date ___

Drill Site Geologist ___

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

Borehole: EP 53 D2 Well: 23222

Depth-Feet	Soil/Rock Type	Well Completion	Description



12" 0-40' Steel casing
8" 0-50 steel casing
4" PVC 0-70.3

Top of Bentonite 52.6
Top of Sand 57.6
Top of screen 59.6

TD 70.3

Drill Site Geologist: ________ Date: ________
Reviewed By: ________ Date: ________

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP5302 Well 23222

Project RMA ON-POST
Date(s) Developed 07/06/87
Personnel (Name/Company) DLW / ESE
RJB / ESE
Rig Used ESE well service truck
Pump (Type/Capacity) N/A
Bailer (Type/Capacity) 3.85" x 2'
Water Source RMA
Measured Well Depth TOC (Initial) 70.0 ft.
(Final) ft.

Project Number T44
Date Installed 05/15/87
Well Diameter (I.D.) 4 in.
Anulus Diameter 17¼ in. 0 ft. to 40 ft.
11½ in. 40 ft. to 50 ft.
Screen Interval 7⅞" 48 ft. to 70.3 ft.
ft. to ft.
Casing Height (Above G.L.) 1.4 ft.
Bottom of Screen (Below G.L.) 70.3 ft.

Water Level TOC/Date/Time (Initial) 35.76/1105/07-06-87
(after 24 hrs.) 35.83'/9-15-87/1135

Feet of Water in Well 34.24 ft. x 0.653 gallons/foot = 22.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
Purge Water Lost N/A gallons
Added Water 5 gallons
Casing/Anulus Volume 22.36 gallons

One Purge Volume 32.92 gallons
Minimum Purge Volume 164.6 gallons
Total Purge Volume gallons
Volume Measured By 5 gallon bucket
Surge Technique Bailer

Calibration: pH Meter Used: Beckman Φ21 SN: 015883
pH 7.00 = 6.99 at 28.0 °C, pH 10.00 = 9.98 at 28.2 °C
Conductance Meter Used: CMC DIGITAL SN: 14274
Standard 1000 umhos/cm at 25°, Reading 1001 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	1123	13.3	12.00	1144	mostly clear - very slightly cloudy w/ silt
32	1152	14.0	12.45	2800	very cloudy w/ gray bentonite
33	1330	13.7	12.40	2880	mostly clear, some silt
39	1336	13.7	12.27	2110	very cloudy w/ gray sand, gravel silt
		dewatered			
Final					DLW

Remarks: Initial HNU = 0.0 ppm ; dewatered well @ 32 gallons ; after 1½ hour recharge - dewatered again @ 39 gallons. Purge volume @ 38 gallons is
Recalibration: pH = 6.98 @ 32.1°C 1:56 00 / pH 10.00 = 9.95 @ 32.5°C SN: 015883
Cond. Reading = 1002 std = 1000 SN: 14274

10.0
57.6
12.4

Sand Pack Volume:
12.4 ft sand pack x .852 gal/ft = 10.56 gal

Collected by [signature] Signature 07/06/87 Date
Checked by [signature]
0-76

ESE 7332 SOUTH ALTON WAY • SUITE H-1 ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP 53 DZ Well 23222

Project	RMA ON-POST	Project Number	T44
Date(s) Developed	07/07/87	Date Installed	5/15/87
Personnel (Name/Company)	DLW/ESE, DJB/ESE	Well Diameter (I.D.)	in.
		Anulus Diameter	12¼ in. 0 ft. to 40 ft.; 11¼ in. 40 ft. to 50 ft.
Rig Used	ESE WELL SERVICE TRUCK		
Pump (Type/Capacity)	N/A	Screen Interval	57.6 ft. to 70.3 ft.; ft. to ft.
Bailer (Type/Capacity)	3.35" x 2'		
Water Source	RMA	Casing Height (Above G.L.)	1.4 ft.
Measured Well Depth TOC	(Initial) 70.0 ft. (Final) ft.	Bottom of Screen (Below G.L.)	70.3 ft.

Water Level TOC/Date/Time (Initial) 35.76/7-06-87/1105 (41.46/7-7-87/0746)
(after 24 hrs.) 35.83 9-25-87 1135

Feet of Water in Well 34.24 ft. x 0.653 gallons/foot = 22.36 gallons casing/anulus volume

Drilling Fluid Lost	N/A gallons	One Purge Volume	32.92 gallons
Purge Water Lost	N/A gallons	Minimum Purge Volume	164.60 gallons
Added Water	∅ gallons	Total Purge Volume	gallons
Casing/Anulus Volume	22.36 gallons	Volume Measured By	5 GALLON BUCKET
		Surge Technique	BAILER

Calibration: pH Meter Used: BECKMAN ∅ 21 SN: 015883
pH 7.00 = 7.02 at 18.3 °C, pH 10.00 = 10.08 at 18.1 °C
Conductance Meter Used: CMS DIGITAL SN: 14274
Standard 1000 umhos/cm at 25°, Reading 1001 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 40	7:57	12.8	12.43	2090	Cloudy Gray silt
66	8:22	13.0	12.53	2390	Muddy Gray/BLACK bentonite?
Final					DLW

Remarks: Initial: HNU @ wellhead = 0.3 ppm ; well dewatered @ 27 gallons

Sand Pack Vol:
70.0
57.6
12.4
12.4' sand pack × 0.852 gal/ft = 10.56 gal
10.56 gal + 22.36 casing anulus vol = Purge vol. 32.92

Collected by [signature] 07-07-87
Signature Date

Checked by

C-77

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP 5302 Well 23222

Project RMA ON POST

Project Number T41

Date(s) Developed 07-09-87

Date Installed 05/15/87

Personnel (Name/Company) DLW / ESE
PJB / ESE

Well Diameter (I.D.) 4 in.

Anulus Diameter 17 1/2 in. 0 ft. to 46 ft.
* 11 1/2 in. 46 ft. to 50 ft.

Rig Used ESE WELL SERVICE TRUCK

Pump (Type/Capacity) N/A

Screen Interval 59.6 ft. to 70.3 ft.
ft. to ft.

Bailer (Type/Capacity) 3.85" x 2'

Water Source RMA

Casing Height (Above G.L.) 1.4 ft.

Measured Well Depth TOC (Initial) 70.0 ft.
(Final) ft.

Bottom of Screen (Below G.L.) 70.3 ft.

Water Level TOC/Date/Time (Initial) 35.76 / 7-06-87 / 1105 (41.46 / 7-07-87 / 0746) (36.0 / 7-09-87 / 082
(after 24 hrs.) 35.33 9-25-77 1135

Feet of Water in Well 34.24 ft. x 0.653 gallons/foot = 22.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons

One Purge Volume 32.42 gallons

Purge Water Lost N/A gallons

Minimum Purge Volume 164.60 gallons

Added Water ø gallons

Total Purge Volume gallons

Casing/Anulus Volume 22.36 gallons

Volume Measured By 5 GALLON BUCKET

Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN ø 21 SN: 015833

pH 7.00 = 7.03 at 17.1 °C, pH 10.00 = 10.09 at 17.4 °C

Conductance Meter Used: CMS DIGITAL SN: 14243

Standard 1408 umhos/cm at 25°, Reading 1406 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 66	0836	12.6	12.08	2530	Mostly clear.
99	0859	13.0	12.34	3090	cloudy w/ dissolved gray bentonite.
Final					DLW

Remarks: Initial HNU @ wellhead = 0 ppm. ; well dewatered in 33 gallons (0859)

Collected by [illegible] 07/09/87
Signature Date

Checked by

C-78

* 11 1/2" 50 ft. to 70.3 ft.
Sand Pack Vol.
12.4 ft x .852 gal/ft = 10.56 gal

WELL DEVELOPMENT DATA

Bore EP 53D2 Well 23222

Project RMA ON POST
Project Number T44
Date(s) Developed 7/13/87
Date Installed 5/15/87
Personnel (Name/Company) DLW /ESE
ABW /ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 17½ in. 0 ft. to 40 ft.
✗ 11½ in. 40 ft. to 50 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) N/A
Screen Interval 57.6 ft. to 70.3 ft.
ft. to ft.
Bailer (Type/Capacity) 3.85 x 2'
Water Source RMA
Casing Height (Above G.L.) 1.4 ft.
Measured Well Depth TOC (Initial) 70.6 ft.
Bottom of Screen (Below G.L.) 70.3 ft.
(Final) ft.

Water Level TOC/Date/Time (Initial) 35.76/7-6-87/1105 (41.46/7-7-87/0746) (36.0/7-9-87/0824)
(after 24 hrs.) 35.87 9-25-87 1135

Feet of Water in Well 34.24 ft. x 0.653 gallons/foot = 22.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
One Purge Volume 32.42 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 164.60 gallons
Added Water ∅ gallons
Total Purge Volume gallons
Casing/Anulus Volume 22.36 gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN Φ21 SN: 015383
pH 7.00 = 7.04 at 14.7 °C, pH 10.00 = 10.12 at 15.2 °C
Conductance Meter Used: CMS DIGITAL SN: 14274
Standard 1408 umhos/cm at 25°, Reading 1409 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 99	0944	12.1	12.03	2390	Clear
133	1019	12.7	12.05	2310	Cloudy w/ gray silt.
Final					DLW

Remarks: Initial HNU @ well head = 0.0 ; Well dewatered in 34 gallons (1023)
✗ 7⅞" 50 ft to 70.3 ft

Sand Pack Vol:
12.4 ft. x .852 gal/ft = 10.56 gal.
10.56 + 22.36 = 32.92 = 1 purge vol.

Collected by [signature] 7/13 87
Signature Date

C-79

Checked by [signature]

WELL DEVELOPMENT DATA

Bore EP 53D2 Well 23222

Project RMA ON POST
Project Number TASK 44
Date(s) Developed 7/14/87
Date Installed 5/15/87
Personnel (Name/Company) DLW /ESE ABW /ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 17¾ in. 0 ft. to 40 ft.
11¾ in. 40 ft. to 50 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) N/A
Screen Interval 59.6 ft. to 70.3 ft.
ft. to ft.
Bailer (Type/Capacity) 3.85 X 2'
Water Source RMA
Casing Height (Above G.L.) 1.4 ft.
Measured Well Depth TOC (Initial) 70.0 ft.
(Final) ft.
Bottom of Screen (Below G.L.) 70.3 ft.
Water Level TOC/Date/Time (Initial) 35.76/7-6-87/1105 (41.46/7-7-87/0746) (36.0/7-9-87/0824)
34.24 (after 24 hrs.) 35.83 9-25-87 1135
Feet of Water in Well ~~12.76~~ ft. x 0.653 gallons/foot = 22.36 ~~8.33~~ gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 32.92 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 164.60 gallons
Added Water ∅ gallons
Total Purge Volume gallons
Casing/Anulus Volume ~~8.85~~ 22.36 gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN Φ21 SN: 015883
pH 7.00 = 7.07 at 20.4 °C, pH 10.00 = 10.07 at 20.4 °C
Conductance Meter Used: CMS DIGITAL SN: 14274
Standard 1408 umhos/cm at 25°. Reading 1408 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 13.3	09.29	12.6°C	11.71	2220	clear.
16.7	10.07	13.1°C	12.08	2810	CLOUDY W/GREY SILT (SOME DISSOLVED BENTONITE)
Final					DLW

Remarks: Initial HNU @ well head = 0.0 ppm (7-14-87, 0920)
Well DE-WATERED AT 34 GALS 7/14/87

Collected by [signature] 7/14/87
Signature Date

1 Purge vol = 10.56 gal (Sand pack vol.)
+ 22.36 gal (Casing/annulus vol)
32.92 gal

Checked by

C 90

WELL DEVELOPMENT DATA

Bore EP 53 D2 Well 23222

Project TRMA ON POST
Date(s) Developed 7/20/87
Personnel (Name/Company) DLW/ESE
ABW/ESE
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) N/A
Bailer (Type/Capacity) 3.55" X 2.0'
Water Source RMA
Measured Well Depth TOC (Initial) 70.0 ft. (Final) ___ ft.

Project Number 71454-49
Date Installed 5/15/87
Well Diameter (I.D.) 4 in.
Anulus Diameter 17½ in. 0 ft. to 40 ft.
11½ in. 40 ft. to 50 ft.
Screen Interval 58.6 ft. to 70.3 ft.
___ ft. to ___ ft.
Casing Height (Above G.L.) 1.4 ft.
Bottom of Screen (Below G.L.) 70.3 ft.

Water Level TOC/Date/Time (Initial) 35.76/7-6-87/1105 (41.46/7-7-87/0746) (36.0/7-9-87/0830)
(after 24 hrs.) 35.83 5-25-87 1135

Feet of Water in Well 34.24 ft. x 0.653 gallons/foot = 22.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
Purge Water Lost N/A gallons
Added Water ∅ gallons
Casing/Anulus Volume 22.36 gallons

One Purge Volume 32.92 gallons
Minimum Purge Volume 164.60 gallons
Total Purge Volume ___ gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN ∅ 21 SN: 015883
pH 7.00 = 7.00 at 26.1 °C, pH 10.00 = 10.00 at 26.5 °C
Conductance Meter Used: CMS DIGITAL SN: 14243
Standard 1000 umhos/cm at 25°, Reading 1002 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 167	11:33	13.0	11.76	1589	PARTIALLY CLEAR GREEN SILT
199	12:09	14.3°	12.07	953	Cloudy w/ MUCH FINE GREY SAND
Final					DLW

Remarks: Well dewatered in 32 gallons (7/20/87, 1209)
Initial WL @ well head = 0.0' ppm 7-20-87 1115)

1 Purge vol = 10.56 gal (Sand pack vol)
+ 22.36 gal (casing/anulus vol.)
32.92 gal

Collected by [illegible] 7-20-87
Signature Date
Checked by [illegible]

WELL DEVELOPMENT DATA

Bore EA 5302 Well 23222

Project RMA ON POST

Project Number TASK 44

Date(s) Developed 7/24/87

Date Installed 5/15/87

Personnel (Name/Company) DLW/ESE ABW/ESE

Well Diameter (I.D.) 4 in.

Anulus Diameter 17¼ in. 0 ft. to 40 ft.

* 7⅞ in. 40 ft. to 50 ft.

Rig Used ESE WELL SERVICE TRUCK

Pump (Type/Capacity) N/A

Screen Interval 58.6 ft. to 70.3 ft.

Bailer (Type/Capacity) 3.85" x 2.0'

___ ft. to ___ ft.

Water Source RMA

Casing Height (Above G.L.) 1.4 ft.

Measured Well Depth TOC (Initial) 70.0 ft. (Final) ___ ft.

Bottom of Screen (Below G.L.) 70.3 ft.

Water Level TOC/Date/Time (Initial) 35.76/7-6-87/1105

(after 24 hrs.) ~~35.76/7-6-87/1105~~ DLW 35.33 7-25-87 1125

Feet of Water in Well 34.24 ft. x 0.653 gallons/foot = 22.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons

One Purge Volume 32.92 gallons

Purge Water Lost N/A gallons

Minimum Purge Volume 164.60 gallons

Added Water 0 gallons

Total Purge Volume ___ gallons

Casing/Anulus Volume 22.36 gallons

Volume Measured By 5 GALLON BUCKET

Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN ϕ 21 SN: 015383

pH 7.00 = 7.00 at 25.2 °C. pH 10.00 = 10.01 at 25.0 °C

Conductance Meter Used: CMS DIGITAL SN: 14243

Standard 1000 umhos/cm at 25°. Reading 1000 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 199	0920	12.8	11.67	1556	clear
237	1003	~~12.25~~ 13.5	12.25	1978	CLOUDY W/BROWN SILT AND SOME FORMATION SAND
Final					DLW

Well dewatered in 33 gallons.

HNU while bailing = 7-12 ppm @ wellhead

Remarks: Initial HNU @ wellhead = 203 ppm / 12.9 ppm

Water Level = 35.87 / 7-24-87/0912

* 7⅞" 50' To. 70.3'

: Purge vol = 10.56 gal (Sand pack vol.)
+ 22.36 gal (casing/annulus vol.)
32.92 gal.

Collected by ___ 7-20-87
Signature Date

Checked by ___

C-82

WELL DEVELOPMENT DATA

Bore EP-53 D2 Well 23222

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 7/27/87
Date Installed 5/7/87
Personnel (Name/Company) DJW / ESE, PJB / ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 17½ in. 0 ft. to 46 ft.
* 11½ in. 40 ft. to 50 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 7 GPM
Screen Interval 59.6 ft. to 70.3 ft.
Bailer (Type/Capacity) N/A
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 1.4 ft.
Measured Well Depth TOC (Initial) 70.0 ft.
Bottom of Screen (Below G.L.) 70.3 ft.
(Final) ft.

Water Level TOC/Date/Time (Initial) 35.76 / 7-6-87 / 1105
(after 24 hrs.) 35.83 9-25-87 1135

Feet of Water in Well 34.24 ft. x .0653 gallons/foot = 22.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
One Purge Volume 32.92 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 164.60 gallons
Added Water ϕ gallons
Total Purge Volume gallons
Casing/Anulus Volume 22.36 gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN ϕ21 SN: 015882
pH 7.00 = 7.00 at 25.4 °C, pH 10.00 = 10.01 at 25.1 °C
Conductance Meter Used: CMS DIGITAL SN: 14243
Standard 1000 umhos/cm at 25°, Reading 1003 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 232	0845	18.1	11.93	1769	~~pack~~ DW mostly clear, some silt
264	0912	17.0	11.70	1560	cloudy w/ gray silt
Final					DW

Remarks: Initial HNU @ wellhead = 38 ppm.
Well dewatered in 32 gallons.
* 7⅞" 50' to 70.3'

Collected by [signature] 7-27-87
Signature Date
Checked by

1 Purge Vol = 10.56 gal (sand pack vol)
+ 22.36 (casing/annulus vol)
32.92 gal

C-83

WELL DEVELOPMENT DATA

Bore EP-53 D2 Well 23222

Project RMA ON-POST

Project Number TASK 44

Date(s) Developed 7/28/87

Date Installed 5/7/87

Personnel (Name/Company) DLW / ESE, PJB / ESE

Well Diameter (I.D.) 4 in.

Anulus Diameter 7 3/4 in. 0 ft. to 40 ft.

* 11 1/2 in. 40 ft. to 50 ft.

Rig Used ESE WELL SERVICE TRUCK

Pump (Type/Capacity) N/A

Screen Interval 59.6 ft. to 70.3 ft.

Bailer (Type/Capacity) 3.85" x 20'

ft. to ft.

Water Source RMA

Casing Height (Above G.L.) 1.4 ft.

Measured Well Depth TOC (Initial) 70.0 ft.

Bottom of Screen (Below G.L.) 70.3 ft.

(Final) ft.

Water Level TOC/Date/Time (Initial) 35.76/7-6-87/1105

(after 24 hrs.) 35.83 6-25-87 1135

Feet of Water in Well 34.24 ft. x 0.653 gallons/foot = 22.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons

One Purge Volume 32.92 gallons

Purge Water Lost N/A gallons

Minimum Purge Volume 164.60 gallons

Added Water Ø gallons

Total Purge Volume gallons

Casing/Anulus Volume 22.36 ~~8.33~~ DW gallons

Volume Measured By 5 GALLON BUCKET DW

Surge Technique ~~RAISE & LOWER PUMP~~ BAILING

Calibration: pH Meter Used: BECKMAN Ø 21 SN: 015383

pH 7.00 = 7.00 at 24.2 °C, pH 10.00 = 10.02 at 24.7 °C

Conductance Meter Used: LMI DIGITAL S/N: 14243

Standard 1000 umhos/cm at 25°, Reading 1000 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 264	0856	21	11.49	1462	Clear.
296	0926	13.5	12.09	1820	Cloudy Gray Silt
Final					

Remarks: Initial HNU @ well head = .40 ppm. Dewatered at 32 gallons

* FINAL ANNULUS DIA. = 7 3/4" 50' TO 70.3'

1 Purge Vol = 10.56 sand pack vol.
+ 22.36 casing annulus vol.
32.92 gallons

Collected by [signature] Signature 7-28-87 Date

Checked by

C-84

WELL DEVELOPMENT DATA

Bore SP-53 D2 Well 23222

Project RMA ON-POST
Date(s) Developed 8/4/87
Personnel (Name/Company) DLW/ESE
JFP/HLA
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) N/A
Bailer (Type/Capacity) 3.85" x 20'
Water Source RMA
Measured Well Depth TOC (Initial) 70.0 ft. (Final) ft.

Project Number TASK 44
Date Installed 5/7/87
Well Diameter (I.D.) 4 in.
Anulus Diameter 12 1/2 in. 0 ft. to 40 ft.
* 11 1/2 in. 40 ft. to 50 ft.
Screen Interval 59.6 ft. to 70.3 ft.
ft. to ft.
Casing Height (Above G.L.) 1.4 ft.
Bottom of Screen (Below G.L.) 70.3 ft.

Water Level TOC/Date/Time (Initial) 35.76/7-6-87/1105
(after 24 hrs.) 35.83 9-25-87 1135

Feet of Water in Well 34.24 ft. x 0.653 gallons/foot = 22.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
Purge Water Lost N/A gallons
Added Water ϕ gallons
Casing/Anulus Volume 22.36 gallons

One Purge Volume 32.92 gallons
Minimum Purge Volume 164.60 gallons
Total Purge Volume gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN ϕ 21 SN: 015883
pH 7.00 = 7.01 at 20.0 °C, pH 10.00 = 10.04 at 20.0 °C
Conductance Meter Used: CMS DIGITAL
Standard 1000 umhos/cm at 25°, Reading 1001 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 296	0750	12.3	11.60	1519	Mostly clear, some silt & fine sand.
328	0829	12.5	12.03	1893	cloudy w/ [illegible] silt, some fine [illegible] sand.
Final					

Remarks: Initial HNU @ wellhead = 140 ppm [illegible]
Well developed in 2 [illegible]
* [illegible] = 7.8 [illegible] 70.3'

1 Purge vol. = 5.35 Sand [illegible] vol.
+ 22 [illegible] vol.
[illegible] vol.

Collected by DW/[illegible] 8-4-87
Signature Date
Checked by

C-85

ESE Inc. CORE LOG By SP Date 10/8/87 BORE SP-56 Well[illegible] Page 3 of 4

WELL DEVELOPMENT DATA

Bore EP-52 D2 Well 23222

Project RMA ON-POST
Date(s) Developed 3/11/87
Personnel (Name/Company) DLW/ESE
PJB/ESE
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) N/A
Bailer (Type/Capacity) 3.5" x 2.0'
Water Source RMA
Measured Well Depth TOC (Initial) 70.0 ft. (Final) 71.8 ft.

Project Number TASK 44
Date Installed 5/7/87
Well Diameter (I.D.) 4 in.
Anulus Diameter 17 1/2 in. 0 ft. to 40 ft.
11 in. 40 ft. to 50 ft.
Screen Interval 59.6 ft. to 70.3 ft.
ft. to ft.
Casing Height (Above G.L.) 1.0 ft.
Bottom of Screen (Below G.L.) 70.3 ft.

Water Level TOC/Date/Time (Initial) 35.76 / 7-6-87 / 1105
(after 24 hrs.) 35.83 / 09-25-87 / 11:35

Feet of Water in Well 34.24 ft. x 0.653 gallons/foot = 22.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
Purge Water Lost N/A gallons
Added Water ϕ gallons
Casing/Anulus Volume 22.36 gallons

One Purge Volume 32.92 gallons
Minimum Purge Volume 164.60 gallons
Total Purge Volume 360 gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN ϕ 21 SN: 015383
pH 7.00 = 7.00 at 23.7 °C. pH 10.00 = 10.03 at 23.5 °C
Conductance Meter Used: CMS DIGITAL SN: 11341
Standard 1000 umhos/cm at 25°, Reading 1000 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 328	0750	12.6	11.69	1592	clear
360	0833	13.2	11.92	1854	cloudy w/ some silt & very fine formation sand.
Final					

Remarks: Initial HNU @ wellhead = 8.0 ppm - up to 2.5 ppm - 0.0 in breathing zone.
* Final anulus dia = [illegible] TO 70.3

Purge vol. = 10.56 sand pack vol.
+ 22.36 casing vol.
32.92 volume

Collected by [illegible] 3/16/87
Signature
Checked by

C-86

EP-56

ESE 7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

BOREHOLE SUMMARY LOG

Borehole EP-56 Well 26153

Project Name and Location RMA Sect 26 M.W. Install. Project Number T44

Drilling Company Boyles Bros Driller B. Roach Rig Number Failing 1500

Drilling Method(s) 12¼" Auger, rotary

Size(s) and type(s) of bit(s) 12¼" Auger 3⅞ tri cone

Borehole Diameter 12¼ in. ____ cm. 0 ft. ____ cm. to 42.5 ft. ____ cm.
3⅞ in. ____ cm. 42.5 ft. ____ cm. to 150 ft. ____ cm.

Sampling Methods cont. core.

Total Number Soil Sampling Tubes —

Total Number Core Boxes 9

Number of Gallons Lost Drilling Fluid ____

Date/Time Started Drilling 10/7/87 0805

Date/Time Completed Drilling 10/8/87 0821

Total Borehold Depth 150' ft. ____ cm.

Depth to Bedrock 42.5' ft. ____ cm.

Depth to Water — ft. ____ cm.

Water Level Determined By? —

Borehole Completed as Monitoring Well? No

Date/Time Grouting Completed 10/8/87 0958

Depth of Tremmie Pipe 150'

Gallons of Grout 145

Materials Used 10 bags of cement, 100 gal H_2O, 1 bag of bentonite

Comments grouted to ground surface

Wellsite Geologist Steve Pain Date 10/21/87

Checked for Grout Settlement on 10/20/87 by Steve Pain

Amount of Grout Added 10 gal

All Measurements from Ground Level

Reviewed by [illegible] Date [illegible]

Drill Site Geologist Steve Pain Date 3/17/88

ENGLEWOOD, COLORADO 80112 • 303/741-0838

Borehole: EP-56 Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description MUNSELL COLORS
0			NA		ML	Sandy-silt, ~20% v.f.gr. sand, 10YR, 3/4, dk. yel. brown, non-plas., loose, dry, alluvium
1	0-2'	0.9'		0-2'		
2						At 2.0', sandy-silt, ~20% v.f.gr sand, color changes to 10YR, 5/4-6, yel. brown, non-plas., loose, dry, alluvium.
3	2-4'	1.0'		2-4'		
4						
5	4-6'	2'		4-6'		At 5.0', sandy-silt, % sand increases to ~46% v.f.gr sand, 10YR, 5/4-6, yel. brn., non-plas., loose, dry, alluvium.
6						

C-89

Drill Site Geologist: [illegible] Date: 9/8/87

Reviewed By: [illegible] Date: [illegible]

Borehole: 2-56 Well Number:

Depth–Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description MUNSELL COLORS
6			NA		ML	
7	6-8'	1.75		6-8'		
8						At 8.0', clayey-silts, ~ 5% clay, 10 YR, 7/3 v. pale brown, non-plas., med. dense, dry, alluvium
9	8-10'	2'		8-10'		
10						At 10', clayey-silts, % clay increases to ~ 20% 10 YR, 5/3-4, brown, slightly plas., v. stiff, v. slight moist, alluvium.
11	10-12'	1.85'		10-12'		
12						

C-90

Drill Site Geologist: [illegible] Date: 9/5/[illegible]

Reviewed By: [illegible] Date: [illegible]

Borehole: EP-56 Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description MUNSELL COLORS
12 / 12.3	12-14'	1.85'	NA	12-14'	ML	At 12.3', Clayey-fine sands, ~5% clay, 10 YR, 5/3-4, brown, non-plas, loose-med. dense, v. slight moist, alluvium.
14 / 15	14-16'	2'		14-16'		At 15', clayey-fine sands, ~25%-30% clay, 10 YR, 5/3, brown, mottled w/ calcareous veins, 10 YR, 8/1, white, slight plas, hard, v. slight moist, alluvium.
16 / 17 / 17.2	16-18'	2'		16-18'	SM	poorly graded sand-silt mixture, ~30-40% silt, med-coarse gr sands, 10 YR 5/3-4, brown, non-plas., loose, dry, alluvium.
18						

Drill Site Geologist: [signature] Date: 9/5/85 C-91

Reviewed By: [signature] Date: [illegible]

Borehole: EP-51 Well Number:

Depth-feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
						MUNSELL COLORS
18			NA			
19	18-20'	0'		18-20'		NO RECOVERY
20						AUGER LOSS
21	20-22'	0'		20-22'		SEVERAL ATTEMPTS MADE USING SAMPLER SHOES OF DIFFERENT INNER DIAMETERS
22						
23	22-24'	0'		22-24'		
24						

C-92

Drill Site Geologist: [illegible] Date: 9/8/87

Reviewed By: [illegible] Date: [illegible]

Borehole: [illegible] Well Number:

Depth - Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description MUNSELL COLORS
24	24-26'	1.0'	NA	24-26'	SP	gravelly-sands, ~ 30-40% qtz & feldspar gravel, fine - coarse gr sands, 10 YR, 5/4-6, yel brn, non-plas, loose, v. slightly moist, alluvium
25						
26	26-28'	1.0'		26-28'		At 26', gravelly-sands, ~ 30-40% gravel (1-2" dia) fine-coarse sands, 10 YR, 5/4-6, yel brn, non-plas, loose, v. slightly moist, alluvium
27						
28	28-30'	1.15'		28-30'		At 28', gravelly-sands, ~ 20-30% gravel (1/4-1/2" dia) fine-coarse gr sands, 10 YR, 5/4-6, yel brn, non-plas, loose, v. slightly moist, alluvium
29						
30						

Drill Site Geologist: A. E. [illegible] Date: 9/8/87

Reviewed By: [illegible] Date:

C-93

Borehole: FB-56 Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description MUNSELL COLORS
30	30-32'	0.75'	NA	30-32'	GC	Poorly graded gravel - sand - clay mixture, ~50% gravel (1/4-3/4" dia.), ~20% clay, 30% med-coarse gr. sand, 10 YR, 5/4-6, yellowish brown, non-plas, loose, slightly moist, alluvium.
31						
32	32-34'	0.95'		32-34'	SP	gravelly-sands, ~30-40% gravel (1/4-1/2" dia.) med-coarse gr sands, 10 YR, 5/4-6, yellowish brown, non-plas, loose, slightly moist, alluvium.
33						
34	34-36'	1.0'		34-36'		
35						
36						

Drill Site Geologist: [illegible] Date: 9/5/89 C-94

Reviewed By: [illegible] Date: [illegible]

Borehole: ER-56 Well Number:

SOILS LOG
Description

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	Munsell Colors
36			NA		SP	
37	36-38'	0.95'		36-38'		
38						No Recovery
39	38-40'	0'		38-40'		Auger Loss
40						At 40', gravelly-sands, % gravel decreases to 10-20%, 10YR 5/4-6, yel brown, non-plas, loose, slightly moist, alluvium.
41	40-42'	1.6'		40-42'		
42						

Drill Site Geologist: A. C. [illegible] Date: [illegible]/15 C-95

Reviewed By: [illegible] Date: [illegible]

Borehole: KP-56 Well Number:

Depth-Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
42	42'-44'	2'	NA	42'-44'	SP	At 42', gravelly-sands, ~40% gravel, 10 YR 5/4-6 yellowish brown, non-plas., loose, slightly moist alluvium.
42.5						
43					CL	silty-claystone, ~5-10% silt, 5Y, 4/3-4, olive, slightly plas., med-stiff - stiff, slightly moist, bedrock,
44						END OF BORING LOG
45						
46						AED
47						
48						

C-96

Drill Site Geologist: [illegible] Date: [illegible]

Reviewed By: [illegible] Date: [illegible]

Int. | U S | Angle | Desc. | S H L H L H | Min | Habit | M | 01 10 100 | Ft | CM (Scale 1" = 5 ft)

Bedrock at 42.5'
Casing set to 43.5'
Begin coring at 41'

See Alluvial Log for 0 - 43.5'

44 — 3.1/4 — massive — 15% matrix — 5Y 5/6 lt olive brown — 30% silt — SS — SANDSTONE, very fine grained to medium grained

45'

thinly banded with ice sand filled voids — 20° — FeOx casts on fractures — 5Y 6/1 lt olive gray — 30% silt — CS — CLAYSTONE

46

2.7/5

48 — massive

50 — FeOx casts — dark yellowish orange

① 1.7/2 — N3/0 Dark gray

51.5' oxidation boundary

52 — 20% silt

54

1.5/2

56

finely bedded — 30% silt — finely interbedded with siltstone

58 — 1.9/2

Note: Poor recovery from 57 to 62' · cuttings indicated claystone interbedded with lignite

0.5/5

60

BORE EP-56 WELL(S)

ESE, Inc.

DEPTH | Int. | U S | Angle | Desc. | S H L H L H | Min | Habit | M C | 01 1.0 100 | Ft | CM (Scale 1" = 2 (ft))

60
① 0.5/5
CS Claystone
Coring indicated many lignite beds.
62
64 1.7/5
N3/0 Dark gray
66 sl. fissile
N1/0 black
con rich 50%
massive
↓
w/clay filling
N2/0 dark gray
v. silty 30%
10% fine SAND
68
10% musc.
4.7/5
massive
70
②
72
73'
irregular bedding
pelo can
SS Sandstone, weakly cemented to sl. friable
74'
74
N2/0 grayish black
massive
CS Claystone
2.5/5
76
78
③ 3.2/5
80

C-98

WELL(S) EP-56
ESE, Inc

Angle | Desc. | S H L H L H | Min | Mobil | M | G | .01 1.0 100 | Ft | CM (Scale 1" = 2 ft)

80
2.6/5
massive
N3/0 Dark gray
CS Claystone

82
N3/0 Dark gray
massive

2.1/3

84
claystone nodules

86
2.7/4
N/2/0 grayish black
③

88
N/3/0 dark gray
15% silt

90
1.5/3

92

94
1.5/4
5G 4/1 Dk. greenish gray

96
96.2'
5GY 6/1 greenish gray
St Siltstone
④

4/4
98
highly fractured calcite filled
massive

99.1'
N4/0 grayish black
CS Claystone

Reviewed By

C-99

ESE, Inc   BORE EP-56   WELL(S)

DEPTH | Int. | U S | Angle | Desc. | S H | 1" L H | 2" L H | Min | Habit | M | Color | .01 1.0 100 | Char. | Class Ft | CM (Scale 1" = 2 ft)

100 — Massive — N2/0 grayish black — CS — Claystone

102 — 3.5/4

④

104 — N3/0 Dark gray — 10% silt

1.4/3

106

⑤

108 — finely bedded — N5/0 Med gray

irregular bedding

4.7/5

110 — Clay banded — N3/0 dark gray — 20% sand, 60% claystone clasts — 110.6

finely bedded — SS — Sandstone, med grained, friable — 111.2

Massive — 20% lt gray — CS — Claystone

112 — N4/0 med dark gray

1.3/2

114

⑤

0.5/2

116 — fract 20° — 10% silt

5/5 — 38° — 5Y 2/1 brownish black

118

C-100

⑥

120

ESE, Inc

BORE EP-56 WELL(S)

Depth (Ft)	Structure/Bedding Desc	Mineralogy	Color	Lith. Char.	Lith. Class	Description/Comments (CM Scale 1" = 2 ft)
120					CS	Claystone
	finely bedded	5% cbn frag	N 5/0 med gray		SS	SANDSTONE fine grained friable
122 / 122.0'	massive		N 4/0 med dark gray		CS	Claystone
123.5' / 124	irregular bedding (deformed)		N 6/0 med lt gray		St	Siltstone
						interbedded with claystone
126 / 127.0'	finely bedded	10% cbn	N 4/0 med dark gray		SS	SANDSTONE, fine grained, finely bedded with cbn rich lenses, along bedding plane, weakly cemented to sl. friable
128 / 128.6'	irregular bedding (deformed)				St	Siltstone interbedded with claystone
130 / 130.0	massive					Claystone
131.0' / 132	massive	45% Quartz, 10% cbn frag, 5% plag.	N 5/0 med gray		SS	SANDSTONE, medium grained, friable
134				10% claystone clasts		
135.0' / 136			N 3/0 dark gray	20% silt	CS	Claystone
138						

Box: 6, 7. Rec.: 5/5, 4.4/5, 1.6/5, 3.2/5, 2.4/3, 1/2

C-101

BORE EP-56 WELL(S)

ESE, Inc

ESE, Inc. CORE LOG By SP Date 10/9/87 BORE EP-56 Well(s) ______ Page __ of __

BOX no.	DEPTH	Rec. Int.	U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min.	Mineralogy Habit	Color M G	Texture/Grain Size	Lith. Char.	Lith. Class Fi	Description/Comments CM (Scale 1" = 2 ft)
		1.2/2			massive						N3/0 dark gray			cs	Claystone
	142														
	144	1.0/5													
7	146														
	148	3.1/4													
8	150														

Total depth 150.0'

C-102

SE, Inc. BORE EP-56 WELL(S)

Frontier Logging
Lakewood, Colorado

ESE
EP-56
RMA
County: ADAMS COUNTY
State: COLORADO
Log Measured From: Ground Level

Date: OCT. 8, 1987
Driller Depth: 149 Ft
Bit Size: 3 7/8"
Casing: 43 Ft PVC
Fluid: native mud
Drilling Measured From: Ground Level
Time: 0835
Time: 0910
Unit No.: 110
Operator: Wm. Linton
Location: Lakewood

EQUIPMENT DATA

T.D. Logged: 146 1/2 Ft
Natural Gamma: 200 Scale = 20 CPS per inch
Time Constant: 2 Sec
Logging Speed: 15 Ft/Min
Calib. Source Ref/Value: CPS
Probe No: 103-1041
Probe Diameter: 1 5/8"
Detector Type / Size
K Factor: 2.38 x 10^-5
Dead Time: 7 Microsec
Water Factor: 1.10
for hole size: 3 7/8"
Casing Factor
for wall thk
Resistance: 40 ohms/5" (Ohms per 5 inches)
S.P.: 100 MV/Inch (MV per inch)

NATURAL GAMMA RETURNS (ANALOG) (bold log all scale)

Scale	CPS/in	Logging Speed	TC	From	To	Total

Gamma (Analog)
Gamma (Digital)
Caliper
Temperature
Density Source No
Neutron Source No

DIRECTIONAL DATA

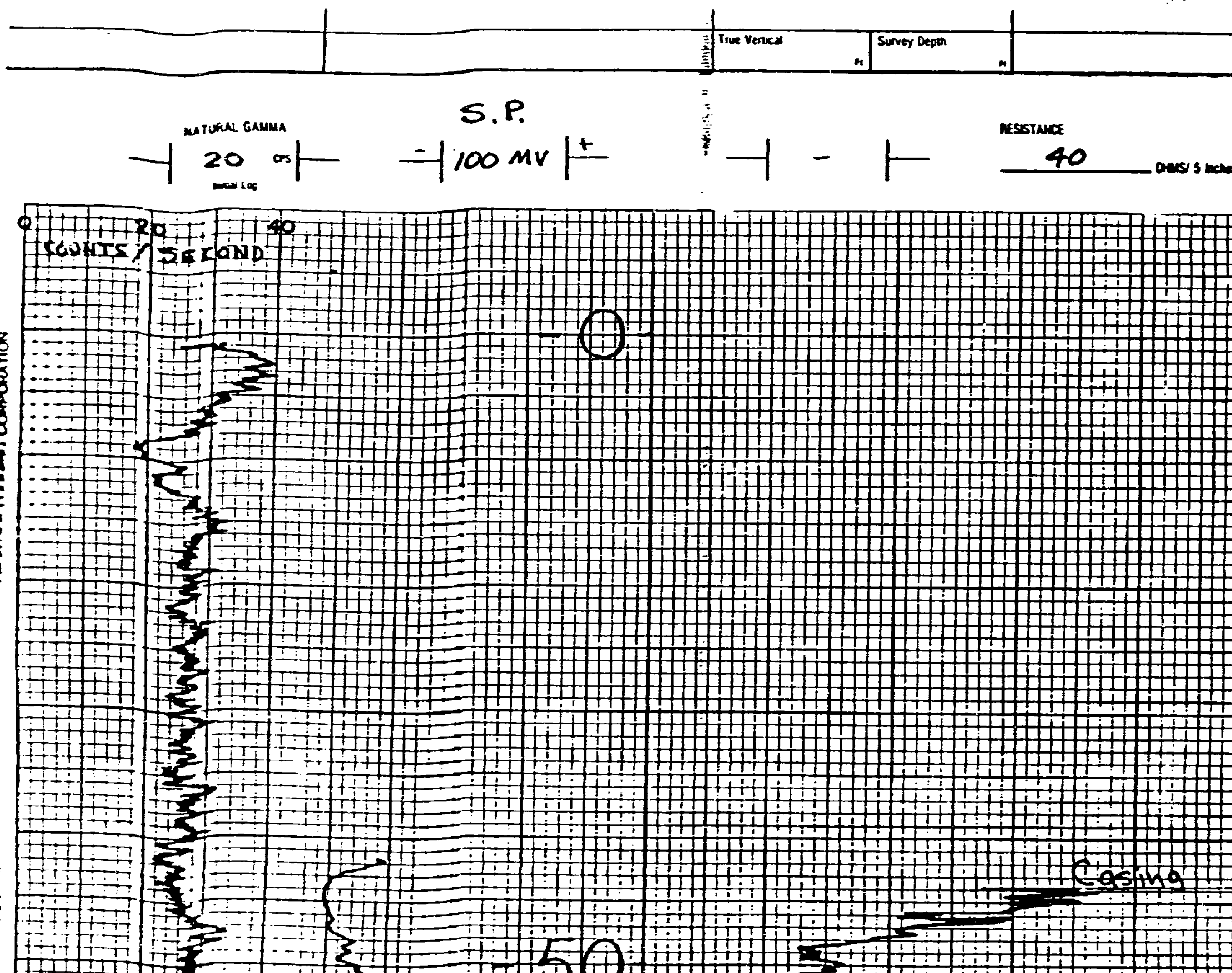
Closure
Azimuth
True Vertical
Survey Depth

NATURAL GAMMA
20 CPS
Initial Log

S.P.
– 100 MV +

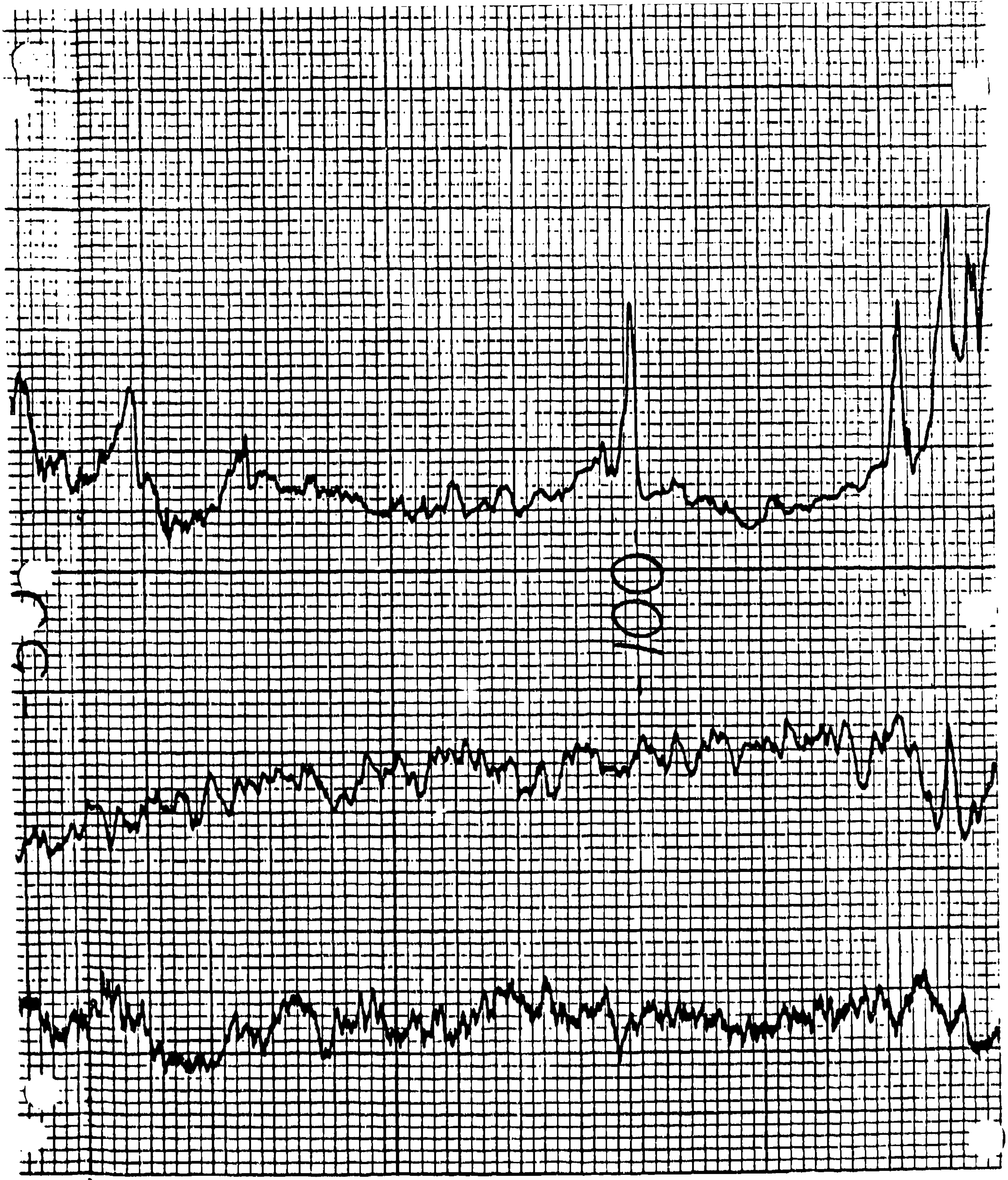
RESISTANCE
40 OHMS/ 5 Inches

C-103

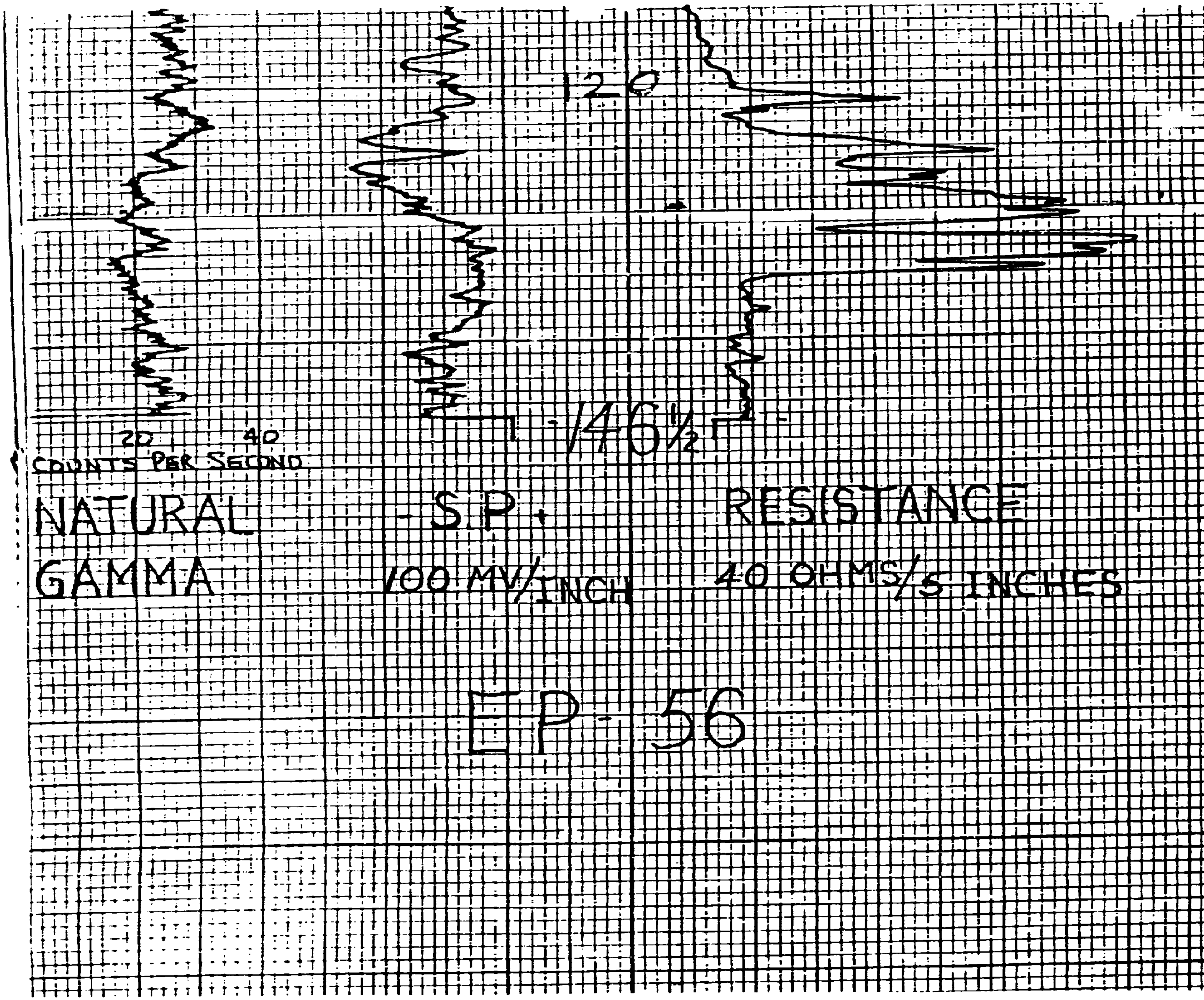


True Vertical
Survey Depth
Ft
NATURAL GAMMA
20 CPS
S.P.
- 100 MV +
RESISTANCE
40 OHMS/ 5 Inches
0
20
40
COUNTS / SECOND
0
50
Casing

C-104



No. GC13142


120
-146½
20 40
COUNTS PER SECOND
NATURAL
GAMMA
- S.P. +
100 MV/INCH
RESISTANCE
40 OHMS/5 INCHES
EP 56

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL CONSTRUCTION SUMMARY

Borehole ~~EP 56 DT~~ SP D2 Well 26153

Project Name and Location RMA TASK 19 / SECT 26 Project Number 744

Drilling Company BOYLES BROTHERS Driller DON IRWIN Rig Number I2

Drilling Method(s) 11 3/4" ROTARY, 7 7/8" ROTARY

Borehole Diameter 11 3/4 in. ____ cm. 0 ft. ____ cm. to 50 ft. ____ cm.
7 7/8 in. ____ cm. 50 ft. ____ cm. to 138 ft. ____ cm.

Size(s) and types of Bit(s)	11 3/4" BLADE BIT 7 7/8" BLADE BIT	Sampling Method(s)	NOT SAMPLED
		Date/Time Start Drilling	11-4-87 / 0830
Size and Type PVC	4" SCHEDULE 40	Date/Time Finish Drilling	11-6-87 / 0945
Total Borehole Depth	138.0 ft. ____ cm.	Date/Time Start Completion	11/6/87 1006
Depth to Bedrock	42.5 ft. ____ cm.	Date/Time Cement Protective Casing	11-4-87 1335
Depth to Water	— ft. ____ cm.	Materials Used	50' (8") STEEL CASING
Water Level Determined By	—	Plain PVC	132.8' PLAIN
Length Plain PVC (total)	132.8 ft. ____ cm.	Slotted PVC	5.65 SLOTTED
Length of Screen	5.65 ft. ____ cm.	Bentonite Pellets	1 1/2 BUCKETS
Total Length of Well Casing	138.45 ft. ____ cm.	Bentonite Granular	2 BAGS
PVC Stick Up	1.70 ft. ____ cm.	Cement	14 BAGS + 4 BAGS
Depth to Bottom of Screen	136.75 ft. ____ cm.	Sand	2 BAGS
Depth to Top of Screen	131.10 ft. ____ cm.	Water added during completion	—
Depth to Top of Sand	126.4 ft. ____ cm.	Water added during drilling	—
Depth to Top of Bentonite	121 ft. ____ cm.	Total Gallons of water added	5

Drill Site Geologist [signature] Date 11/10/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed CEMENT PAD 11/13/87, [illegible] INTERNAL MORTAR [illegible]

Date/Time/Personnel Casing Painted [illegible] / DLW & SAW

Date/Time/Personnel Numbers Painted 2/12/88 / 1530 / DLW & KSP

Materials Used 12 BAGS SACRETE

Top of Protective Casing to Top of PVC	0.50 ft.	____ cm.
Top of Protective Casing to Weep Hole	1.45 ft.	____ cm.
Top of Protective Casing to Internal Mortar	1.54 ft.	____ cm.
Top of Protective Casing to Top of Cement Pad	1.73 ft.	____ cm.
Top of Protective Casing to Ground Level	2.05 ft.	____ cm.

COMMENT/NOTES

Reviewed By [signature] Date 3/ /88

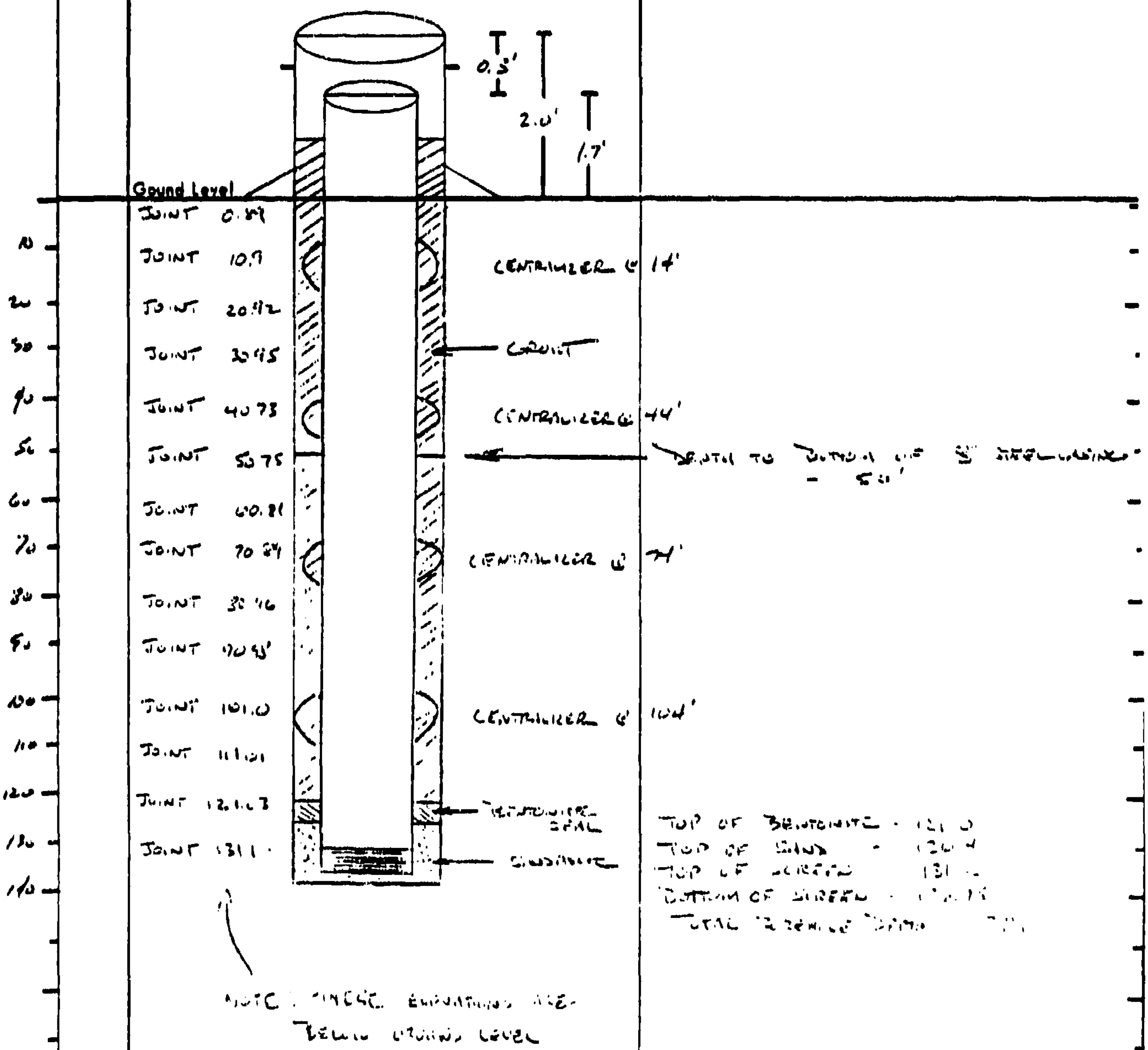
Drill Site Geologist [signature] Date 12/ /87

C-107

ENGLEWOOD, COLORADO 80112 • 303/741-0838

Borehole: E?-56 D1 SP D2 Well: 26153

Depth-Feet	Soil/Rock Type	Well Completion	Description



Drill Site Geologist: [signature] Date: [illegible]

Reviewed By: [signature] Date: [illegible]

C-108

WELL DEVELOPMENT DATA

Bore EP-56 ~~D1~~ D2 Well 26153

Project Task 19/Sec. 26 — Project Number TASK 44
Date(s) Developed 12/7/87 — Date Installed 11/6/87
Personnel (Name/Company) Walt Vassar/ESE WTV, Cindy Gehks/ESE CMG — Well Diameter (I.D.) 4" in.
Anulus Diameter 11 3/4 in. 0 ft. to 50 ft.; 77/8 in. 50 ft. to 138 ft.
Rig Used Well Service Truck
Pump (Type/Capacity) Grund FOS ~~@ 15 gall~~ 7GPM — Screen Interval 134.6 ft. to 136.75 ft.; ___ ft. to ___ ft.
Bailer (Type/Capacity) N/A
Water Source RMA — Casing Height (Above G.L.) 1.70 ft.
Measured Well Depth TOC PVC (Initial) ~~38.50~~ 138.70 ft. — Bottom of Screen (Below G.L.) ___ ft.
(Final) 138.6 ft.
Water Level TOC/Date/Time (Initial) 49.81 / 12/7/87 / 1059
(after 24 hrs.) 53.11 / 3-17-88 / 1205
Feet of Water in Well 88.89 ft. x 0.653 gallons/foot = 58.04 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons — * One Purge Volume CMG ~~134.00~~ 67.0 gallons
Purge Water Lost N/A gallons — Minimum Purge Volume CMG ~~669.0~~ 334 gallons
Added Water 0 gallons — Total Purge Volume ___ gallons
Casing/Anulus Volume CMG ~~45.27~~ 58.00 gallons — Volume Measured By 5 gallon bucket
Surge Technique raise/lower pump

Calibration: pH Meter Used: Beckman #015883 SN
pH 7.00 = 7.04 at 14.6 °C. pH 10.00 = 10.07 at 14.3 °C
Conductance Meter Used: YSI
Standard 1413 umhos/cm at 25°, Reading 1410 umhos/cm at 25 °C
PID Background 0.0 Reading 0.0

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0 gall	1127	15.8	10.05	2090	very silty brown/gray
	—			--	
—	—				
Final					

Remarks: ___

Sandpack height
136.75
-126.9
[illegible] = 75.37 ...

* 1 purge vol:
58 gal (casing vol)
+ ~~[illegible]~~ gal (sandpack vol)
= 70 gal

Collected by [signature] Signature 12-7-87
Checked by [signature] Signature 3-17-88

C-109

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP-56 3/2 Well 26153

Project RMA [illegible]
Project Number [illegible] 44
Date(s) Developed 12-15-87
Date Installed 11/6/87
Personnel (Name/Company) WTV / ESE
LFWL / ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11 3/4 in. 0 ft. to 50 ft.
7 7/8 in. 50 ft. to 128 ft.
Rig Used Well Service Truck
Pump (Type/Capacity) N/A
Screen Interval 131.10 ft. to 136.75 ft.
Bailer (Type/Capacity) 3.25" X 1.5'
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 1.70 ft.
Measured Well Depth TOC (Initial) 135.7 ft.
(Final) 138.6 ft.
Bottom of Screen (Below G.L.) 136.75 ft.
Water Level TOC/Date/Time (Initial) 79.31 12/7/87 1054
(after 24 hrs.) 83.11 / 3-14-88 / 1205
Feet of Water in Well [illegible] ft. x [illegible] gallons/foot = [illegible] gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume [illegible] gallons
Purge Water Lost N/A gallons
Minimum Purge Volume [illegible] gallons
Added Water [illegible] gallons
Total Purge Volume gallons
Casing/Anulus Volume [illegible] gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: Beckman [illegible] 015533
pH 7.00 = 7.11 at 15 °C, pH 10.00 = 10.3 at 15 °C
Conductance Meter Used: YSI Model #32
Standard 1413 umhos/cm at 25°, Reading 654 umhos/cm at [illegible] °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial [illegible]	0939	10.5	11.73	3110	Cloudy, [illegible] [illegible] sediment
40	1016	11.0	11.62	3010	"
50	1054	11.5	11.04	[illegible]530	"
60	1133	11.0	10.82	3020	"
70	1206	11.2	10.54	3010	"
~~Final~~ 80	1241	11.3	10.25	3010	"
90	1310	11.5	9.90	3050	Dark gray [illegible]

Remarks:
[illegible] VER

Collected by Walt Vassar 12-15-87
Signature Date

Checked by [illegible] 3-[illegible]-88
Signature

C-110

ESE 7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP-56 02   Well 26153

Project RMA Draft   Project Number TASK M44

Date(s) Developed 02/02/88   Date Installed 11/06/87

Personnel (Name/Company) RCW/ESE   Well Diameter (I.D.) 4 in.

TDM /ESE   Anulus Diameter 11 3/4 in. 0 ft. to 50 ft.

7 7/8 in. 50 ft. to 138 ft.

Rig Used ESE Well Service Truck   Screen Interval 131.10 ft. to 136.75 ft.

Pump (Type/Capacity) Grundfos/7GPM   ___ ft. to ___ ft.

Bailer (Type/Capacity) N/A

Water Source RMA   Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 138.7 ft.   Bottom of Screen (Below G.L.) 136.75 ft.

(Final) 138.6 ft.

Water Level TOC/Date/Time (Initial) 49.81 / 12-7-87 / 1054

(after 24 hrs.) 83.11 / 3-14-88 / 1705

Feet of Water in Well 88.89 ft. x 0.653 gallons/foot = 58.04 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons   * One Purge Volume 67 gallons

Purge Water Lost N/A gallons   Minimum Purge Volume 335 gallons

Added Water 0 gallons   Total Purge Volume ___ gallons

Casing/Anulus Volume 58.04 gallons   Volume Measured By 55 gallon barrel

Surge Technique Purge / Flow pump

Calibration: pH Meter Used: BECKMAN Ø21 SN: 0X5893

pH 7.00 = 7.10 at 21 °C.   pH 10.00 = 10.28 at 21 °C

Conductance Meter Used: YSI Model 32 SN: 2603 ESE #2

Standard 1413 umhos/cm at 25°.   Reading 1415 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 45	1323	11.6	8.73	3100	Cloudy w/ some silt
125	1338	11.9	8.06	3110	Cloudy w/ some silt
140	1419	7.1	7.64	3130	Cloudy w/ some silt
Final					

Dewatered in 45 gallons

Sand pack: 136.75 Bot. of screen
126.40 Top of sand
10.35 ft x .352 and 1/2 = 9.12 gal.

Remarks: Water level = 49.43

Initial pump rate = 2 GPM, 0.35 GPM @ 40 gallons /

HNU @ TOC = 0.0 ppm. Pump off @ 140 gallons.

* 1 Purge vol: 58.04 casing vol.
+ 9.12 sand pack vol.
66.86 ≈ 67 gal.

Water level deeper than 100' ...

Collected by [signature] 02 02 88
Signature

Checked by [signature]
Signature

C-111

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EPSC D2 Well 26153

Project RMA ONPOST [illegible] 44 Project Number 86956 TASK 19

Date(s) Developed 02/12/88 Date Installed 11/06/87

Personnel (Name/Company) WEST/POLLMAN : ESE Well Diameter (I.D.) 4" PVC in.

Anulus Diameter 11 3/4 in. 0 ft. to 50 ft.
7 7/8 in. 50 ft. to 138 ft.

Rig Used ESE WELLSERVICE TRUCK

Pump (Type/Capacity) GEOTECH / BLADDER PUMP Screen Interval 131.10 ft. to 136.75 ft.
— ft. to — ft.

Bailer (Type/Capacity) N/A

Water Source RMA Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 138.3 ft. Bottom of Screen (Below G.L.) 136.75 ft.
(Final) 138.6 ft.

Water Level TOC/Date/Time (Initial) 49.81 / 12-7-87 / 1054
(after 24 hrs.) 83.11 / 3-14-88 / 1705

Feet of Water in Well 88.89 ft. x 0.653 gallons/foot = 58.04 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 67 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 335 gallons

Added Water Ø gallons Total Purge Volume 55 gallon barrels gallons

Casing/Anulus Volume 58.04 gallons Volume Measured By [illegible]

Surge Technique [illegible]

Calibration: pH Meter Used: BECKMAN Ø21 SN: 015883

pH 7.00 = 7.04 at 13.3 °C. pH 10.00 = 10.14 at 13.3 °C

Conductance Meter Used: YSI MODEL 32 SN: 2603

Standard 1413 umhos/cm at 25°. Reading 1413 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25 °C	Physical Characteristics (clarity, odor, sand content, color)
Initial 140 gal	1405 →	13.4	8.77	3190	CLOUDY GREY W/ SOME V.F SAND SUSPENDED SILT
156 gal		13.4	8.63	3200	TRANSLUCENT GREY W/ SILT, SOME V.F. SAND
160	1448	13.2	8.45	3220	ALMOST CLEAR SOME FINE SAND
170	1511	13.0	8.43	3230	CLEAR COLORLESS NO SAND
180	1536	13.3	8.50	3200	COLORLESS SL. CLOUDY SOME FINE SAND
~~[illegible]~~ 195	16:13	12.8	8.48	3190	CLEAR, COLORLESS

Remarks: TW : 58.45 = Water level (TOC) Dewatered in 58 gallons [illegible]
Pump rate w/ Geotech = 0.34 GPM @ 15 gallons. [illegible] at 148 gal

* 1 Purge vol: 58.04 casing vol
+ 7.82 sand pack vol.
66.86 ⇒ 67 gallons.

Collected by [signature] 2/12/88
Signature

C-112

Checked by [signature]
Signature

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore E0 56 D2 Well 26153

Project RMA on-post
Project Number TASK 19
Date(s) Developed 3/4/88
Date Installed 11/06/87
Personnel (Name/Company) DLW / ESE
RR / ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11 3/4 in. 0 ft. to 50 ft.
7 7/8 in. 50 ft. to 138 ft.
Rig Used ESE Well Service - Truck
Pump (Type/Capacity) Grundfos / 5 GPM
Screen Interval 131.10 ft. to 136.75 ft.
ft. to ft.
Bailer (Type/Capacity) N/A
Water Source N/A
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 138.7 ft.
(Final) 138.6 ft.
Bottom of Screen (Below G.L.) 136.75 ft.
Water Level TOC/Date/Time (Initial) 49.81 / 12-7-87 / 1054
(after 24 hrs.) 83.11 / 3-14-88 / 1205
Feet of Water in Well 88.89 ft. x .653 gallons/foot = 58.04 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
* One Purge Volume 67 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 335 gallons
Added Water 0 gallons
Total Purge Volume gallons
Casing/Anulus Volume 58.04 gallons
Volume Measured By 55 Gallon Drum
Surge Technique Pulse / Lower pump

Calibration: pH Meter Used: ~~[illegible]~~ DLW / Orion SA 250 SN 1004
pH 7.00 = ~~7.05~~ / 7.00 at ~~[illegible]~~ / 11.2 °C. pH 10.00 = ~~10.10~~ / 10.00 at ~~[illegible]~~ / 12.0 °C
Conductance Meter Used: ESE Model 12 SN [illegible]
Standard 1413 umhos/cm at 25°. Reading 1411 umhos/cm at 25

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 198	0918	12.5	8.49	3250	cloudy w/ gray silts
(15) 213	0924	12.5	8.61	3160	slightly cloudy
(30) 228	0935	12.3	8.24	3230	Clear
(45) 243	0944	12.6	9.05	3160	cloudy w/ gray silt
256	0954	11.2	8.71	3230	cloudy w/ gray silt
Final 257	1009	8.6	8.65	3220	partly cloudy w/ gray silt

Remarks: Water level = 52.07 [illegible] Well developed in 55 gallons [illegible]
[illegible]

* 1 Purge vol. 58.04 (casing vol.)
+ 8.82 (annulus vol.)
66.86 ⇒ 67 gallons

Collected by [signature] 3/4/88
Checked by [signature] [illegible]

C-113

WELL DEVELOPMENT DATA

Bore EP 56D2 Well 26153

Project RMA on-Post
Project Number Task #9 44
Date(s) Developed 3-9-88
Date Installed 11-6-88
Personnel (Name/Company) RR/ESE BW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11 3/4 in. 0 ft. to 50 ft.
7 7/8 in. 50 ft. to 138 ft.
Rig Used ESE Well Service Truck
Pump (Type/Capacity) Grundfos 5 GPM
Screen Interval 131.10 ft. to 136.75 ft.
___ ft. to ___ ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 138.7 ft.
Bottom of Screen (Below G.L.) 136.75 ft.
(Final) 138.6 ft.
Water Level TOC/Date/Time (Initial) 49.81 / 12-7-87 / 1054
(after 24 hrs.) 83.11 / 3-14-88 / 1205
Feet of Water in Well 88.89 ft. x .653 gallons/foot = 58.04 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
* One Purge Volume 67 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 335 gallons
Added Water Ø gallons
Total Purge Volume 287 gallons
Casing/Anulus Volume 58.04 gallons
Volume Measured By 55 Gallon Drum
Surge Technique Raise/lower pump

Calibration: pH Meter Used: Beckman Φ 31 pH Meter
pH 7.00 = 7.02 at 18.5 °C. pH 10.00 = 10.08 at 18.7 °C
Conductance Meter Used: YSI Model 32 S/N 2003
Standard 1413 umhos/cm at 25°. Reading 1413 umhos/cm at 18.5 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 257	1305	15.5	8.93	3260	Cloudy, Grey w/ silt + fine [illegible]
(15) 272	1317	15.5	8.56	3[illegible]0	Cloudy, Grey w/ fine [illegible]
(30) Final 287	1333	15.9	8.[illegible]	[illegible]	Cloudy, Grey [illegible]
Final					[illegible]

Remarks: [illegible]
[illegible]

* [illegible]

Collected by [illegible] Signature

Checked by [illegible] Signature

EP-62

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0632

BOREHOLE SUMMARY LOG

Borehole EP-62 Well 34011

Project Name and Location RMA Section 24 M.W. Installation Project Number T44

Drilling Company Boyle Bros. Driller B. Roach Rig Number Failing 500

Drilling Method(s) continuous core

Size(s) and type(s) of bit(s) 3 7/8" tri cone, 12 1/4" Auger

Borehole Diameter 12 1/4" in. ____ cm. 0 ft. ____ cm. to 61.25 ft. ____ cm.

3 7/8" in. ____ cm. 61.25 ft. ____ cm. to 150.0 ft. ____ cm.

Sampling Methods Core

Total Number Soil Sampling Tubes —

Total Number Core Boxes 8

Number of Gallons Lost Drilling Fluid —

Date/Time Started Drilling 8/18/87 1257

Date/Time Completed Drilling 8/19/87 0720

Total Borehold Depth 150 ft. ____ cm.

Depth to Bedrock 60.5 ft. ____ cm.

Depth to Water — ft. ____ cm.

Water Level Determined By? —

Borehole Completed as Monitoring Well? No

Date/Time Grouting Completed 8/19/87 0905

Depth of Tremmie Pipe 145

Gallons of Grout 130 gal

Materials Used 9 bags of cement, 90 gals of H_2O, 1 bucket bentonite

Comments grouted to ground surface

Wellsite Geologist Steve Paris Date 9/16/87

Checked for Grout Settlement on 9/16/87 by Steve Paris

Amount of Grout Added none needed

All Measurements from Ground Level

Reviewed by [signature] Date 3/18/88

Drill Site Geologist [signature] Date 3/8/88

C-116

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC. 7332 SOUTH ALTON WAY • SUITE H-I ENGLEWOOD, COLORADO 80112 • 303/741-0629

Borehole: EP-62 Well Number:

Depth—Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
1	1 / 0-2.0'	1.9'/2.0			SM	Silty SAND, 30% silt, fine to medium grained sand, 10YR 5/3, brown, dry, loose to medium dense, non plastic
2					SC	Clayey SAND, 35% clay, fine to coarse grained sand, 10YR 3/3, dark brown, dry, med dense, low plastic
3	2 / 2.0'-4.0'	1.9'/2.0			SM	Silty SAND, 20% silt, fine to coarse grained sand, 10YR 5/4 yellowish brown, medium dense, dry, non plastic
4						
5	3 / 4.0'-6.0'	2.0'/2.0	SAME AS TUBE number	SAME AS TUBE interval	SC	Clayey SAND, 40% clay, fine to coarse grained sand, 10YR 5/4 yellowish brown, medium dense dry, low plastic, calcareous
6					~~CL~~	~~Clay~~ clay content increase to approx 50%
7	4 / 6.0'-8.0'	1.95'/2.0			SM	Silty SAND, 20% silt, fine to coarse grained sand, 10YR 5/4 yellowish brown, dense, dry, non plastic, very calcareous
8						
9	5 / 8.0'-10.0'	1.9'/2.0'				
10						

Drill Site Geologist: Angelo Ortelli / Logged by Ethan Piper Date: 8/21/87

Reviewed By: Date:

C-117

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0690

Borehole: EP-62 Well Number:

Depth–Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
					ML	Silt, 20% fine grained sand, 10YR 7/3, very pale brown, dense, dry, low plastic
11	6 / 10.0'-12.0'	1.95/2.0			SM	Silty SAND, 15% silt, 10YR 5/4, yellowish brown, dense, dry to sl. moist, non plastic, calcareous
12						
13	7 / 12.0'-14.0'	1.4/2.0			SC	Clayey SAND, 35% clay, fine to coarse grained sand, 10YR 5/6, yellowish brown, dense, sl. moist, low plastic, calcareous
14						
15	8 / 14.0'-16.0'	1.5/2.0	SAME AS TUBE NUMBER	SAME AS TUBE interval		
16						
17	9 / 16.0'-18.0'	1.9/2.0				
18						
19	10 / 18.0'-20.0'	1.8/2.0			SM	Silty SAND, 15% silt, fine to coarse grained sand, 10YR 6/4 light yellowish brown, dense, light moist, non plastic, calcareous
20						

C- 118

Drill Site Geologist: Angelo Ortelli Date: 8/21/87

Reviewed By: Date:

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0858

Borehole: EP-62 Well Number:

Depth—Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
					SM	Silty SAND (see pg 2)
21	11 20.0'-22.0'	2.0/2.0				
22						
23	12 22.0'-24.0'	2.0/2.0				
24						
25	13 24.0'-26.0'	2.0/2.0	SAME AS tube number	same as tube interval		
26					SC	Clayey SAND, 40% clay, fine to v. coarse grained sand, 10YR 5/4 yellowish brown, moist, dense, low plastic, calcareous
27	14 26.0'-28.0'	2.0/2.0				
28						- SAND increases to 75%
29	15 28.0'-30.0'	2.0/2.0				
30						

C-119

Drill Site Geologist: Angela Ortelli logged by [illegible] Date: 9/21/87

Reviewed By: Date:

ESE 7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0689

SHEET ___ OF ___

Borehole: EP-62 Well Number: ______

SOILS LOG

Depth-Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	Description
30					CL	Clay, 30% sand, coarse grained, 10YR 5/4, yellowish brown, moist, stiff, very calcareous
31	16 / 30.0'-32.0'	1.9/2.0			SC	Clayey SAND, 30% clay, fine to v. coarse sand, 10YR 5/4, yellowish brown moist, md. dense, low plastic
32					SM	Silty Sand, 15% silt, 10YR 6/6, brownish yellow, light moist, medium dense, non plastic
33	17 / 32.0'-34.0'	1.9/2.0				↓ ↓ ↓
34			SAME AS tube number	SAME as tube interval		
35	18 / 34.0'-36.0'	1.1/2.0			SP	Poorly graded SAND, fine to v. coarse grained 10YR 6/4 light yellowish brown, light moist, medium dense, non plastic
36						
37	19 / 36.0'-38.0'	2.0/2.0				- grains increase in size to include small gravels
38					SC	Clayey Sand, 30% Clay, 10YR 5/4 yellowish brown moist, medium dense, low plastic, fine to coarse grained sand
39	20 / 38.0'-40.0'	2.0/2.0				
40					SM	Silty SAND, 20% silt, fine to coarse grained sand, occ. v. coarse sand and small gravels, 10YR 5/4 yellowish brown, moist, med. dense, non plastic

Drill Site Geologist: Angelo Ortelli logged by [illegible] Date: 8/21/87

C-120

Reviewed By: ______ Date: ______

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7333 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0820

Borehole: EP-62 Well Number:

Depth - Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
					SM	Silty SAND (see pg. 4)
41	21 40.0-42.0'	2.0/2.0				
42					Cl	Clay, 20% silt, 10% sand, fine to coarse grained sand, 10YR 4/4 dark yellowish brown, moist, dense, medium plastic
43	22 42.0'-44.0'	1.2/2.0			SM	Silty SAND, 35% silt, fine to medium grained sand, 10YR 5/4, yellowish brown, moist, dense, low plastic
44			SAME AS TUBE NUMBER	SAME AS TUBE INTERVAL		
45	23 44.0'-46.0	1.9/2.0				
46						
47	24 46.0'-48.0'	1.7/2.0				CLAY
						SP, fine to coarse sands, fine to medium gravels
48					GP	Poorly graded gravel, ~~fine~~ to coarse grained gravel occasional cobble, 35% sand, fine to coarse grained sand, dense, moist
49	25 48.0'-50.0'	0.5/2.0				
50						

Drill Site Geologist: Angelo Cotti Date:

Reviewed By: Date:

C-121

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0930

Borehole: EP-62 Well Number:

SOILS LOG

Depth–Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	Description
					GP	Gravel (see pg 5)
51	26 50.0'-52.0'	1.9/2.0			CL	Clay, 40% sand, 5% gravel, fine to coarse grained sand, fine gravels, 10YR 5/3 brown, stiff, moist, medium plastic.
52–53	27 52.0'-53.0'	1.0/1.0				
53–54	28 53.0'-54.0'	1.0/1.0			SM	Silty Sand, 40% silt, fine to coarse grained sand 10YR 5/3 brown, dense, moist, medium plasti
54–56	29 54.0'-56.0'	1.9/2.0				54.5 - silt decreases to 15%, nonplastic, sand grain size decreases to fine to medium grained, 5% mica
56–58	30 56.0'-58.0'	0.8/2.0	Same as tube number	Same as tube interval	GP	Poorly Graded gravels, fine gravels, 30% sand, fine to very coarse grained sand, 10YR 4/1, dark grey, moist, dense
58–60	31 58.0'-60.0'	0				- gravel size increase to coarse - cobbles on top of bedrock
60–61	32 60.0'-61.25'	0.3/0.35				Claystone bedrock, 5Y 5/2 Olive grey Total Depth 61.35'

Drill Site Geologist: Angelo Ortelli logged by [illegible] Date: 8/21/87

C-122

Reviewed By: Date:

ESE, Inc. CORE LOG By SP Date 8/1/87 BORE EP-62 Well(s) ______ Page 1 of 1

BOX no.	DEPTH	Rec. Int.	U S	Structure / Bedding Angle	Desc.	Hardness S H	Perm. 1° L H	2° L H	Mineralogy Min	Habit	Color M G	Texture / Grain Size (mm) clay sd gr .01 1.0 100	Lith. Char.	Lith. Class Ft	Description / Comments CM (Scale 1" = 1 ft)
															bedrock at 60.5' PVC to 62.0'
	62.5					See Alluvial Log 0-62.5									
					MASSIVE						5Y 4/0 dark grey		62.5	62.5 CS	Claystone
	63														
	64								40% clm grey		2.5Y 3/0 v. dark grey				lignitic claystone
	65	2.7/4.5													
	66														
1	67														
					blocky				3% clm fres pyrite mineralization 10% fine grained calcareous specs (feldspar)		2.5Y 2/0 black				
	68	3/4													
	69														

BORE EP-62 WELL(S)

E, Inc.

ESE, Inc. CORE LOG By SP. Date 8/19/87 BORE EP-62 Well(s) ______ Page 2 of __

BOX NO.	DEPTH	Rec. Int.	U S	Structure/Bedding: Angle	Desc.	Hardness S H	Perm. 1° L H	2° L H	Mineralogy: Min	Habit	Color M G	Texture/Grain Size clay sd gr mm .01 10 100	Lith. Char.	Lith. Class Fl	Description/Comments CM (Scale 1" = 2 ft)
		3/4			Massive						2.5Y 3/0 v. dark grey			CS 3% dm frag	Claystone
	71														
	72														
	73	3/4													
	74														
	75														
1															
	76	2.8/4													
	77											2.5YR 4/0 dark grey			
	78												78'	1% dm frag	
	79												79'	20% silt	
2		4/5													

BORE EP-62 WELL(S) ______

Inc.

C-124

ESE, Inc. CORE LOG By SP Date 8/19/87 BORE EP-62 Well(s) ______ Page 3 of 1

Box No.	Depth	Rec. Int.	U S	Structure / Bedding: Angle	Structure / Bedding: Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy: Min.	Mineralogy: Habit	Color (M) G	Texture / Grain Size cl st sd gr (mm) .01 .10 100	Lith. Char.	Lith. Class Ft	Description / Comments CM (Scale 1" = 2 ft)
					massive						2.5Y 4/0 dark gray		20% silt	CS	Claystone
	81														
									ccc calcite filling cracks				7% cbn b frag		
	82	4/5													
					ccc cl. fill cracks (bio turbation)										
	83														silt decreases
2					massive										
	84														
	85	2.3/3													
	86														silt increases
	87														
	88	5/5													
	89														

BORE EP-62 WELL(S)

Inc.

BOX No.	DEPTH	Rec. Int.	U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min	Mineralogy Habit	Color M G	Texture/Grain Size clay sd gr mm .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1"= 1 ft)
2					massive										claystone
	91	5/5													
	92				finely bedded						2.5YR 6/0 grey			SS	SANDSTONE well cemented
					35° 35°								5% cbn frags		
	93										2.5YR 4/0 dark grey		15% 1½" lithic clasts		
	94	5/5											40% lithic clasts		
	95												20% cbn frags		
	96				finely bedded										
					massive										Lithic conglomerate (claystone clasts) sand matrix
	97														SAND
		3.8/5			core filled w/ joint 8										Lithic conglomerate
	98														SANDSTONE
3									Kaol. Quartz		2.5YR 4/0 dark grey		30% cbn frags	SS	50% lithic (claystone) clasts (1")
	99												2-5mm quartz		

RE EP-62 WELL(S)

E, Inc.

Box No.	Depth	Rec. Int.	Weath. U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min	Mineralogy Habit	Color M G	Texture/Grain Size clst sd gr mm .01 .10 100	Lith. Char.	Lith. Class	Description/Comments CM (Scale 1" = 2 ft)
2					flaky banded										SANDSTONE
	101	3.8/5													
					finely bedded										- fine grained SS
	102										2.5Y 4/0 dark grey		2.5Y 4/0 dark grey	CS	CLAYSTONE
															glossy on fresh breaks
	103				CaCO3 fill joints										
	104	5/5													
	105														
4	106														
	107														
	108	5/5			CaCO3 fill joint										
	109												20% silt		silt increases

C-127

ESE, Inc. BORE EP-62 WELL(S)

ESE, Inc. CORE LOG By SY Date [illegible] BORE EP-66 Well(s) ______ Page 6 of

Box No.	Depth	Rec. Int.	U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min.	Mineralogy Habit	Color M G	Texture/Grain Size	Lith. Char.	Lith. Class	Description/Comments CM (Scale 1"= 2 ft)
4					finely banded irregular						2.5Y 4/0 dark grey		20% sand 10% silt	CS	Claystone; finely interbedded with silt from 110.5 to 111'
	111	5/5			massive								111.2 20% silt	CS	
	112														silt decreases
	113	5/5							CaCO3	filled joints			20%		silt increases
	114														
5	115														
	116				finely bedded with coal leaf imprints				30% clay 20% kaolinite		2.5Y 5/0 grey		116' 30% silt	SS	Sandstone, fine grained, well cemented
	117														
	118	4/5													
	119														
6					Massive						2.5Y 4/6		119.3	CS	Claystone

C-128

WELL(S) EP-62

ESE, Inc.

ESE, Inc. CORE LOG By SP Date 8/20/87 BORE EP-62 Well(s) ______ Page 7 of 9

BOX no.	DEPTH	Rec. Int.	Weath. U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min.	Mineralogy Habit	Color M G	Texture/Grain Size .01 .10 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 1 ft)
	121				massive						5Y 3/1 very dark grey				Claystone
	122														
	123														
6	124				thin banded				30% [illegible] 20% hornblende		2.5Y 3/0 very dark grey		124' 3% cbn frags	SS	SANDSTONE, fine grained
	125				massive										coarser grained w/ lithic clasts
	126				massive						5Y 3/1 grey			CS	Claystone
	127												5% silt		
	128														
	129														

C-129

E, Inc. BORE EP-62 WELL(S)

ESE, Inc. CORE LOG By SP Date 8/26/87 BORE EP-62 Well(s) ______ Page 8 of 1

Box no.	Depth	Rec. Int.	Profile (U S)	Structure / Bedding: Angle	Structure / Bedding: Desc.	Hardness (S H)	Perm. 1° (L H)	Perm. 2° (L H)	Mineralogy: Min.	Mineralogy: Habit	Color (M G)	Texture / Grain Size	Lith. Char.	Lith. Class	Description / Comments (Scale 1" = 1 ft)
					Massive						5Y 3/1 grey			CS	Claystone
	131														
	132														
	133														
	134				Massive						5Y 4/1 dark grey		134'		siltstone
7															
	135														
	136														
	137				organic filling bioturbation								137'	SS	SANDSTONE, fine grained friable occasional v. thin lenses of claystone
	138				and fillings										
	139				irregular bedding scattered structures										

BORE EP-62 WELL(S)

E, Inc.

ESE, Inc. CORE LOG By SP Date 8/20/97 BORE EP-62 SP Well(s) ______ Page 7 of 9

Box no.	Depth	Rec. Int	U S	Structure / Bedding Angle	Desc.	Hardness S H	Perm. 1° L H	2° L H	Mineralogy Min.	Habit	Color M G	Texture / Grain Size .01 1.0 100	Lith. Char.	Lith. Class Ft	CM (Scale 1" = 1 ft) Description / Comments
					thin bands 15°									SS	SANDSTONE
	141														thin beds of claystone
	142														
					massive blocky structure						5Y 3/1 v. dark grey			CS	CLAYSTONE
	143														
	144				fissile structure								2% CBN frags		
	145				massive										
	146														
	147										2.5Y 3/0 v. dark grey				
	148														
	149														

C-131

E, Inc. BORE EP-62 WELL(S)

Frontier Logging
Lakewood, Colorado

Company: ESE
Bore Hole: EP-62
Area/Project: RMA
County: ADAMS COUNTY
State: COLORADO
Log Measured From: Ground Level

Date: AUG. 20, 1987
Driller Depth: 150 Ft
Bit Size: 3⅞"
Casing Driller: 62 Ft
Fluid in Hole: water + native mud
Drilling Measured From: Ground Level

Time: 0735
Time Off: 0805
Unit No.: 110
Operator: Wm. Linton
Location: Lakewood

EQUIPMENT DATA

T.D. Logged: 145 Ft
Natural Gamma: 200 Scale = 20 CPS per Inch
Time Constant: 2 Sec
Logging Speed: 15 Ft/Min
Probe No.: 103-1421
Probe Diameter: 1⅝"
Crystal Type Size: xtal ¾ x 1"
K Factor: 2.38×10^{-6}
Dead Time: 7
Water Factor: 1.10 — 3⅞"
Casing Factor
Resistance: 100 ohms/5" Ohms per 5 Inches
S.P.: 10 MV/Inch MV per Inch

NATURAL GAMMA SERIES (ANALOG)

Scale	T.C.	Logging Speed	From	To	Total

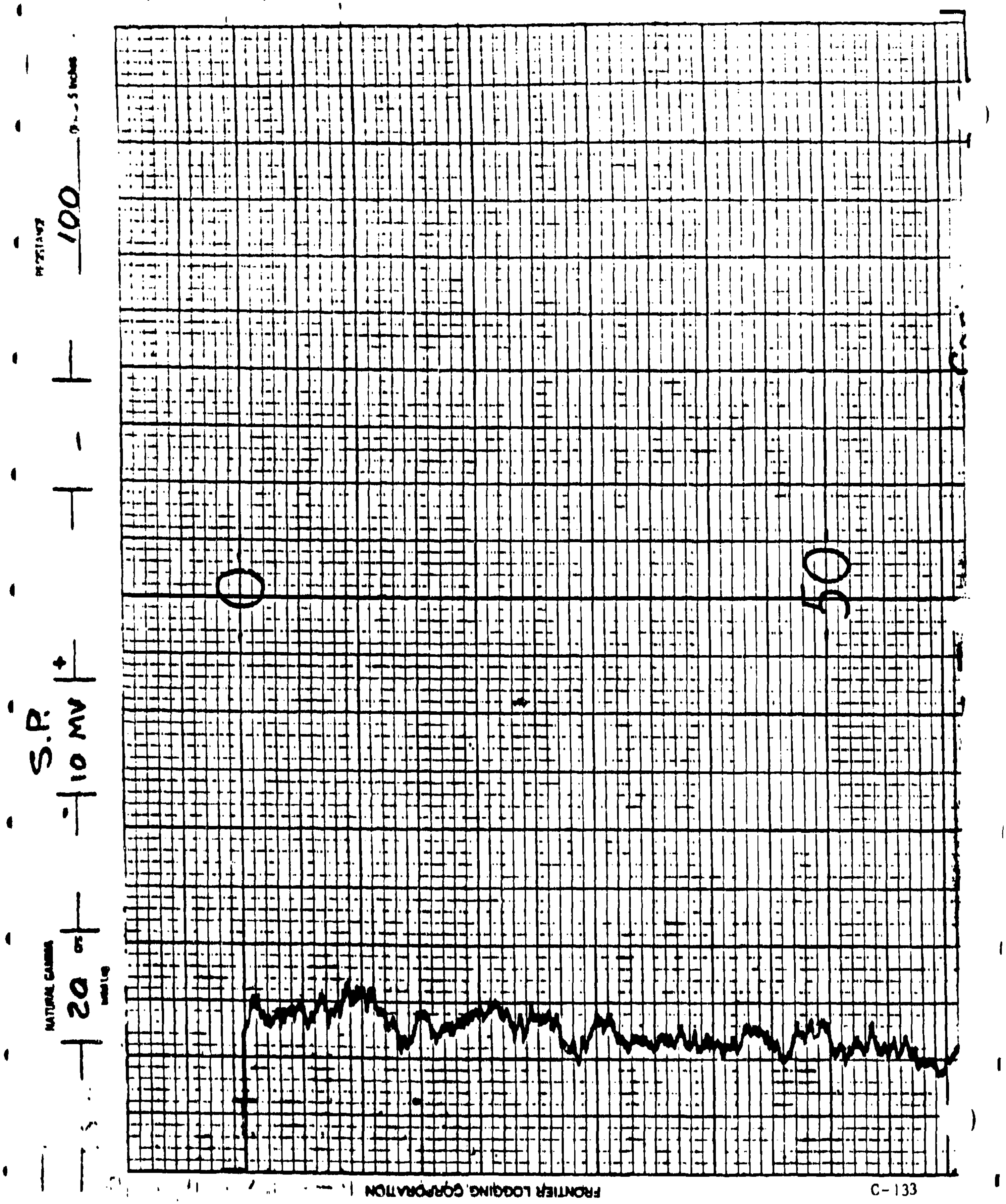
Gamma (Analog)
Gamma (Digital)
Caliper
Temperature

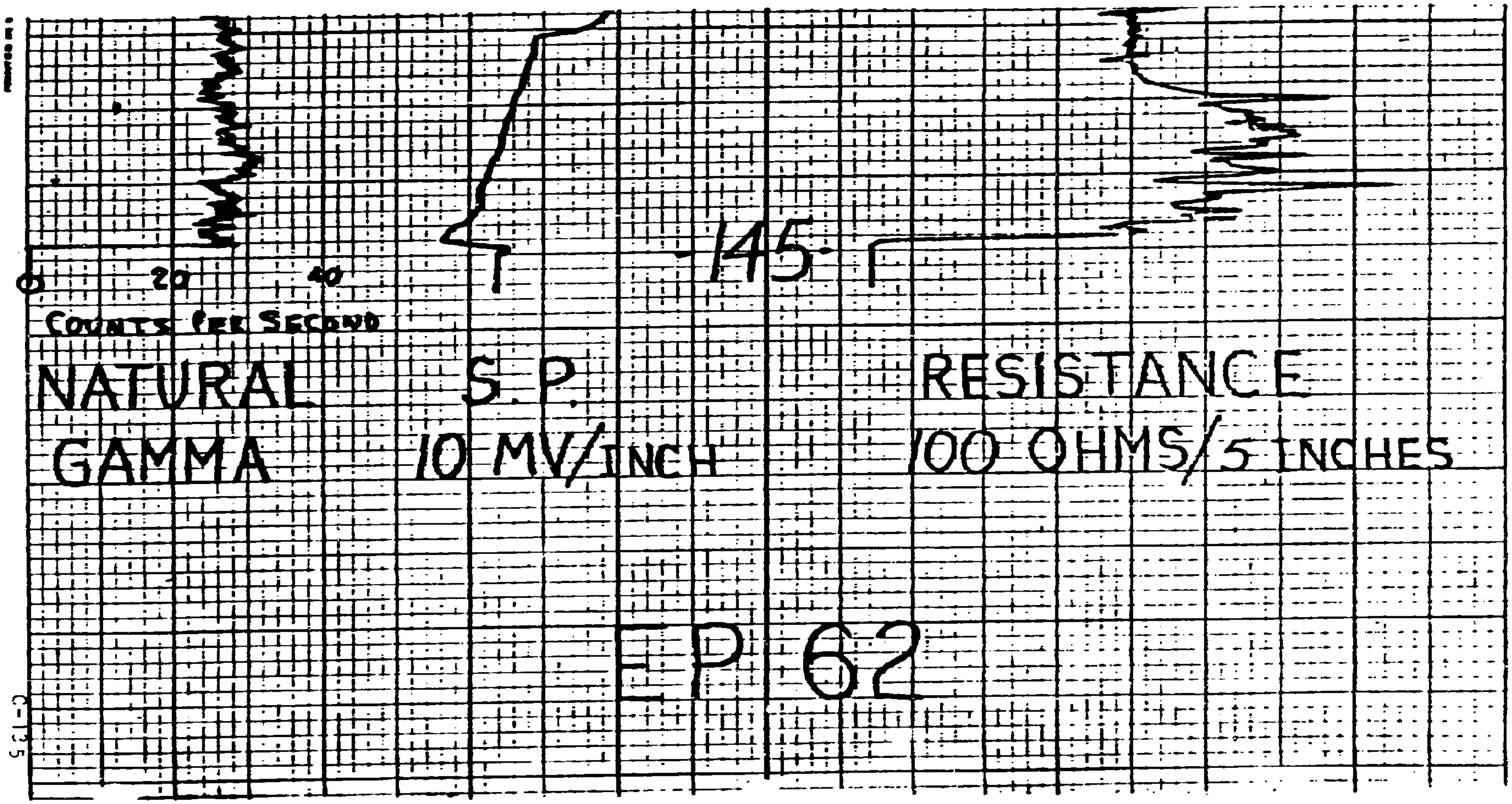
DIRECTIONAL DATA

Closure
Azimuth
True Vertical
Survey Depth

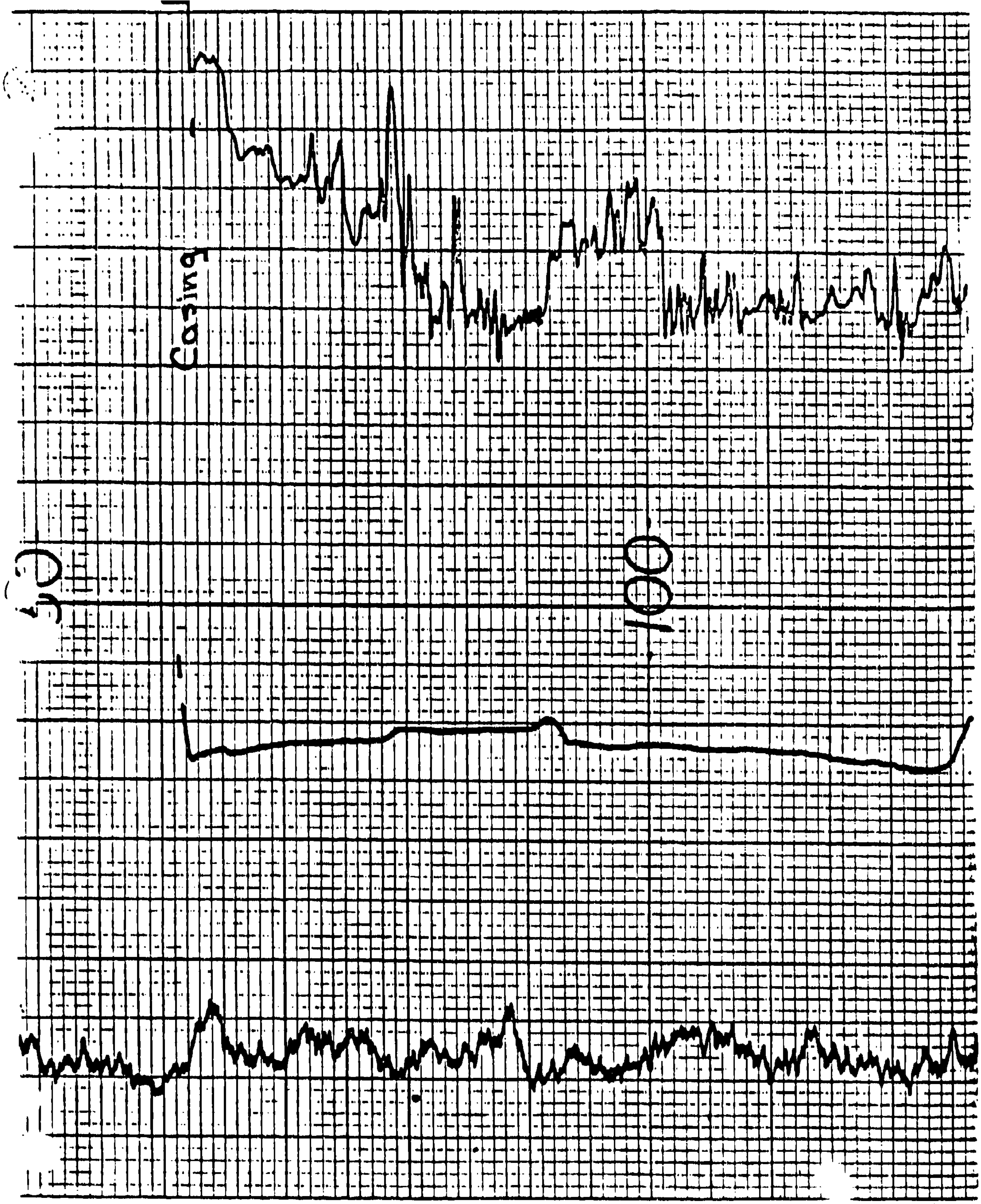
Density Source No.
Type
Neutron Source No.
Type

C-132


100
S.P.
10 MV
20
0
50
FRONTIER LOGGING CORPORATION
C-133



0
20
40
COUNTS PER SECOND
NATURAL
GAMMA
S.P.
10 MV/INCH
-145
RESISTANCE
100 OHMS/5 INCHES
EP 62
C-135



NO. GC13142

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0650

WELL CONSTRUCTION SUMMARY

Borehole Ep-6c 71 Well 34011

Project Name and Location Sect. 34 Project Number TW / 081

Drilling Company Bayless Ren Driller Don Lovise Rig Number 12

Drilling Method(s)

Rotary mud

Borehole Diameter 12¼ in. ____ cm. 0 ft. ____ cm. to 65 ft. ____ cm.

7⅞ in. ____ cm. 65 ft. ____ cm. to 103.5 ft. ____ cm.

Size(s) and types of Bit(s) 12¼ Blade Bit
7⅞" Blade Bit

Size and Type PVC 4" Sch 40

Total Borehole Depth 103.5 ft. ____ cm.

Depth to Bedrock 60.5 ft. ____ cm.

Depth to Water — ft. ____ cm.

Water Level Determined By —

Length Plain PVC (total) 93.35 ft. ____ cm.

Length of Screen 10 ft. ____ cm.

Total Length of Well Casing ~~104.2~~ ft. 104.2 ft cm.

PVC Stick Up 1.7 ft. ____ cm.

Depth to Bottom of Screen 102 ft. ____ cm.

Depth to Top of Screen 92 ft. ____ cm.

Depth to Top of Sand 87 ft. ____ cm.

Depth to Top of Bentonite 82 ft. ____ cm.

Sampling Method(s) Previously Cored

Date/Time Start Drilling 10/1/87 0805

Date/Time Finish Drilling 10/6/87 1358

Date/Time Start Completion 10/6/87 N/a

Date/Time Cement Protective Casing 10/9/87 1105

Materials Used —

Plain PVC 93.35'

Slotted PVC 10.85'

Bentonite Pellets 3 buckets (150 lb)

Bentonite Granular 2 bags (100 lb)

Cement ~~10 bags (Portland)~~ 8 bags (810 lb)

Sand Colo. Silica (10-20) 3.5 bags (350 lb)

Water added during completion 0

Water added during drilling 0

Total Gallons of water added 0

Drill Site Geologist A.R. Ostello

Date 10/9/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed Cement Pad - 10/8/87 DLW & JRM
Internal Mortar & weep hole 10/11/87 DLW & SM

Date/Time/Personnel Casing Painted 10/9/87 / 1330 / DLW & SMP

Date/Time/Personnel Numbers Painted 10/9/87 1415 DLW & SMP

Materials Used 20 Bags Sacrete

Top of Protective Casing to Top of PVC 0.3 ft. ____ cm.

Top of Protective Casing to Weep Hole 1.6 ft. ____ cm.

Top of Protective Casing to Internal Mortar 1.45 ft. ____ cm.

Top of Protective Casing to Top of Cement Pad 1.82 ft. ____ cm.

Top of Protective Casing to Ground Level 2.1 ft. ____ cm.

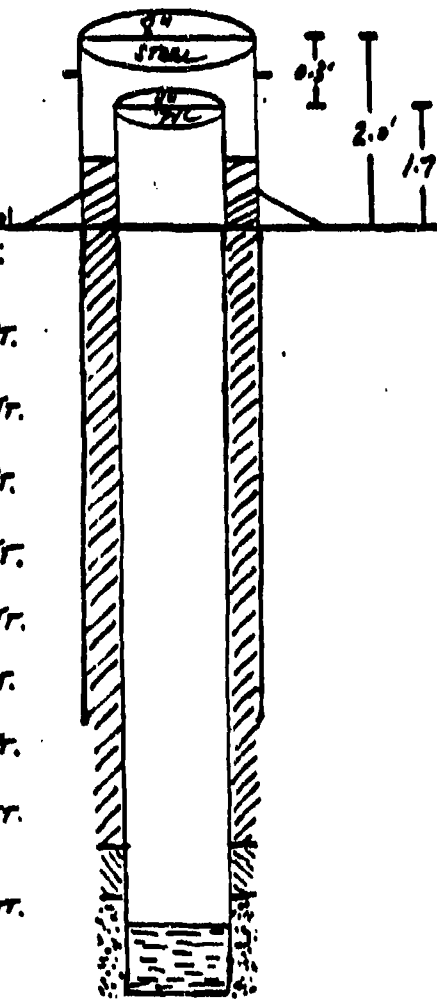
COMMENT/NOTES

Reviewed By [illegible] Date [illegible]

Drill Site Geologist

Borehole: EP-6271 Well: 34011

Depth-Feet	Soil/Rock Type	Well Completion	Description
			8" ID Steel: 2.0' Above Ground to 65.0' Below Ground
			4" ID Sch 40 PVC: 1.7' Above Ground to 102.5' Below Ground
0	Alluv	Ground Level; 1.19 FT.	
15		11.22 FT.	
		21.28 FT.	
30		31.38 FT.	Centralizer @ 32.39'
45		41.35 FT.	
		51.42 FT.	
60	CS	61.48 FT.	
		71.53 FT.	Centralizer @ 82.59'
75		81.59 FT.	Top of Bentonite: 82.0'
			Top of Sand: ~~87.0~~ 87.0'
90	SS	91.65 FT.	Top of Screen: 92.0'
105	CS		Bottom of Screen: 102.0'
			TD: 102.5'
120			



C-137

Drill Site Geologist: A.E. [signature] Date: 10/7/87
Reviewed By: [signature] Date: [illegible]

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP-62 DI Well 34011

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 10/14/87
Date Installed 10/7/87
Personnel (Name/Company) DW/ESE, WTV/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12¼ in. 0 ft. to 65 ft.; 7⅞ in. 65 ft. to 102.5 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS
Screen Interval 92.0 ft. to 102 ft.; — ft. to — ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 104.15 ft. (Final) 104.66 ft.
Bottom of Screen (Below G.L.) 102 ft.
Water Level TOC/Date/Time (Initial) 27.38 / 10-14-87 / 1113
(after 24 hrs.) 61.75 / 10-15-87 / 1335
Feet of Water in Well 77.27 ft. x 0.653 gallons/foot = 50.46 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
* One Purge Volume 63.24 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 316.2 gallons
Added Water 0 gallons
Total Purge Volume 330 gallons
Casing/Anulus Volume 50.46 gallons
Volume Measured By 55 gallon Drums
Surge Technique Bailer/Louver Airlift

Calibration: pH Meter Used: Beckman Φ21 SN 65885
pH 7.00 = 7.05 at 12.6 °C, pH 10.00 = 10.13 at 12.1 °C
Conductance Meter Used: YSI MODEL 33 HLA #2
Standard 1413 umhos/cm at 25°, Reading 1030 umhos/cm at 11.9 °C
1306 @ 25°C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0 gal.	1156	12.2	11.73	460 @ 10°C 550 @ 25°C	muddy w/ dark grey silt, no odor
65 gal	1247	14.2	10.94	330 @ 15.0°C 350 @ 25°C	cloudy w/ dark grey silt
100 gal	1501	13.7	8.86	1005 @ 25°C	Slightly cloudy w/ brown silt
107 gal	1527	13.1	9.85	550 @ 25°C	cloudy w/ brown silt
Final					

Sandpack = 102' (bottom of screen)
− 88' (top of sand)
14' sandpack

Remarks: Initial HNU (TOC) = 7→3 ppm
Sandpack vol = 14' x 0.922 gal/ft = 12.78
Ending conductivity 7.0 ... 10.13 ...
at ... 1413 ... 10.9°C

* 1 Purge vol = 50.46 (casing vol.)
+ 12.78 (sandpack vol)
63.24 gal

Collected by [signature] Signature 10/14/87 Date
Checked by Signature

Dewatered several times @ 58 gallons 2100 gallons

C-138

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0630

WELL DEVELOPMENT DATA

Bore E0-62 D1 Well 34011

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 10/15/87
Date Installed 10/7/87
Personnel (Name/Company) DW / ESE
WTV /ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12¼ in. 0 ft. to 65 ft.
7⅞ in. 65 ft. to 123.5 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 7 GPM
Screen Interval 92.0 ft. to 102.0 ft.
— ft. to — ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 104.65 ft.
(Final) 104.66 ft.
Bottom of Screen (Below G.L.) 102 ft.
Water Level TOC/Date/Time (Initial) 27.38/10-14-87/1113
(after 24 hrs.) 61.75/10-15-87/1351
Feet of Water in Well 77.27 ft. x 0.653 gallons/foot = 65.24 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
* One Purge Volume 65.24 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 326.2 gallons
Added Water 0 gallons
Total Purge Volume 330 gallons
Casing/Anulus Volume 50.46 gallons
Volume Measured By 55 GAL. DRUM
Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN #21 SN 015883
pH 7.00 = 7.06 at 9.7 °C, pH 10.00 = 10.18 at 9.7 °C
Conductance Meter Used: YSI MODEL 32 ESE # 2 SN 2003
Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 107	1038	13.1	8.90	1007	partly cloudy, some pesticide odor in bd
115 ~~130~~	1153	16.2	8.06	982	partly cloudy
Final					

Remarks: Initial flow = 1.2 gpm water level = 62.0/10-15-87/1100
Pumping rate w/ 7 GPM pump = 0.14 GPM water level = 70.6 / 10-15-87
Well not producing any water; pull
pump to check if screen is working; should
have been able to pump 27 gallons.
Shut down for now and allow
recharge.

Collected by [signature] 10/15/87
Signature Date

Checked by [signature]
Signature

C-139

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0630

WELL DEVELOPMENT DATA

Bore EP-62 D1 Well 34011

Project RMA ON POST
Project Number TASK 44
Date(s) Developed 10/27/87
Date Installed 10/7/87
Personnel (Name/Company) DWW /ESE
WTV /ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12¼ in. 0 ft. to 65 ft.
7⅞ in. 65 ft. to 103.5 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 20GPM
Screen Interval 92.0 ft. to 102.0 ft.
Bailer (Type/Capacity) N/A
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 104.65 ft.
Bottom of Screen (Below G.L.) 102 ft.
(Final) 104.66 ft.
Water Level TOC/Date/Time (Initial) 27.38 /10-14-87/1117
(after 24 hrs.) 61.75 /12-15-87 /1351
Feet of Water in Well 77.27 ft. x 0.653 gallons/foot = 63.24 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 63.24 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 316.2 gallons
Added Water Ø gallons
Total Purge Volume 330 gallons
Casing/Anulus Volume 50.46 gallons
Volume Measured By 55 GALLON DRUM
Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ21 SN: 015817
pH 7.00 = 7.02 at 14.0 °C, pH 10.00 = 10.07 at 14.5 °C
Conductance Meter Used: YSI MODEL 32 ESE #2
Standard 1413 umhos/cm at 25°, Reading 1412 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial ~~120~~ 115 DW	1522	14.4	9.21	~~957~~ 985 DW	Partly cloudy
~~150~~ 145 DW	1532	14.9	9.01	979	Mostly clear
Final					DW

Remarks: Dewatered at 30 gallons (1532) Water level = 104.11

Collected by W. T. VASSAR 12-27-87
Signature

Checked by [illegible] [illegible]
Signature

C-140

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP62-D1 Well 37011

Project RMA ON-POST

Project Number TSK 44

Date(s) Developed 12-10-87

Date Installed 10-7-87

Personnel (Name/Company) WM /ESE
KBD/ESE

Well Diameter (I.D.) 4.0 in.

Anulus Diameter 12¼ in. 0 ft. to 65 ft.
7⅞ in. 65 ft. to 103.5 ft.

Rig Used Well service Truck

Pump (Type/Capacity) ISCO

Screen Interval 92.0 ft. to 102.0 ft.
— ft. to — ft.

Bailer (Type/Capacity)

Water Source RMA

Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 104.65 ft.
(Final) 104.66 ft.

Bottom of Screen (Below G.L.) 102 ft.

Water Level TOC/Date/Time (Initial) 61.0 / 12-10-87 / 1053
(after 24 hrs.) (original water level: 27.38/10-14-87/1113) 61.75/12-15-87/1351

Feet of Water in Well 43.65 ft. x 0.653 gallons/foot = 28.51 gallons casing/anulus volume

Drilling Fluid Lost ______ gallons

One Purge Volume 63.24 gallons

Purge Water Lost ______ gallons

Minimum Purge Volume 316.2 gallons

Added Water ______ gallons

Total Purge Volume 330 gallons

Casing/Anulus Volume 50.46 gallons

Volume Measured By 55 gal.

Surge Technique raise/lower pump

Calibration: pH Meter Used: Beckman Φ21 S/N 015553

pH 7.00 = 7.04 at 13.4 °C, pH 10.00 = 10.14 at 13.1 °C

Conductance Meter Used: ~~Beckman Phi 21 SN 015553~~ YSI #32

Standard 1413 umhos/cm at 25°, Reading 1067 umhos/cm at 14.5 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 145	1125	~~14~~ 13.7	9.19	541	very clear
210	1455	13.0	8.35	1023	clear
Final					

Remarks:

Collected by [signature] 12-10-87
Signature

C-141

Checked by [signature]
Signature

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0630

WELL DEVELOPMENT DATA

Bore E962-DL Well 34011

Project RMA ON POST
Project Number TSK 44
Date(s) Developed 10-11-87
Date Installed 10-7-87
Personnel (Name/Company) WN/ESE
KBP/ESE
Well Diameter (I.D.) 4.0 in.
Anulus Diameter 12 in. 0 ft. to 65 ft.
7 in. 65 ft. to 103.5 ft.
Rig Used Well Service Truck
Pump (Type/Capacity) ISCO
Screen Interval 92 ft. to 102 ft.
— ft. to — ft.
Bailer (Type/Capacity)
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 104.0 ft. (Final) 104.0 ft.
Bottom of Screen (Below G.L.) 102 ft.
Water Level TOC/Date/Time (Initial) 27.38 / 10-14-87 / 1113
(after 24 hrs.) 61.75 / 12-15-87 / 1351
Feet of Water in Well 77.27 ft. x 0.653 gallons/foot = 50.46 gallons casing/anulus volume
Drilling Fluid Lost gallons
One Purge Volume 63.20 gallons
Purge Water Lost gallons
Minimum Purge Volume 316 gallons
Added Water gallons
Total Purge Volume 330 gallons
Casing/Anulus Volume 63.20 gallons
+ sand pack vol. 12.78
Volume Measured By barrel
Surge Technique

Calibration: pH Meter Used: Beckman Phi 21 SN 015353
pH 7.00 = 7.05 at 11.8 °C, pH 10.00 = 10.15 at 12.7 °C
Conductance Meter Used: YSI #2603
Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 210	0854	12.2	7.86	1052	very clear
~~125~~ 275	1257	12.5	7.83	1074	same
330	1507	11.0	8.46	1115	same
	:			KP	
Final					

Remarks: Water level TOC = 61.82 10-11-87
Final Water ... 12-11
... gpm 0916 ... gal

Collected by Kevin Pierson 12/11/87
Signature

C-142

Checked by
Signature

EP-65

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

BOREHOLE SUMMARY LOG

Borehole EP 65 Well

Project Name and Location MW installation Project Number Task 44

Drilling Company Boyles Driller B. Roach Rig Number Failing 1500

Drilling Method(s) continuous core - rotary

Size(s) and type(s) of bit(s) 7 7/8" tricone, 3 7/8" blade

Borehole Diameter 7 7/8 in. cm. 0 ft. cm. to 40 ft. cm.

3 7/8 in. cm. 40 ft. cm. to 150 ft. cm.

Sampling Methods Continuous core

Total Number Soil Sampling Tubes —

Total Number Core Boxes 11

Number of Gallons Lost Drilling Fluid —

Date/Time Started Drilling 8·6·87 0741

Date/Time Completed Drilling 8·10·87 1208

Total Borehold Depth 150 ft. cm.

Depth to Bedrock 34 ft. cm.

Depth to Water — ft. cm.

Water Level Determined By? —

Borehole Completed as Monitoring Well? NO

Date/Time Grouting Completed 8·11·87 0905

Depth of Tremmie Pipe 145 ft.

Gallons of Grout 100 gals.

Materials Used 10 bags cement, 100 gals. water, 1 bag bentonite

Comments Hole grouted to surface - then staked for surveyors

Wellsite Geologist CD Benson Date 8·11·87

Checked for Grout Settlement on by

Amount of Grout Added

All Measurements from Ground Level

Reviewed by Date

Drill Site Geologist

C-144

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

Borehole: TP-65 Well Number:

SOILS LOG

Description

Munsell Colors

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	Description
0			NA		ML	Sandy-silt, ~10-15% v.f.gr. sand, 10 YR 5/2-3, grayish brown, non-plas., med. dense, dry, alluvium.
1	0-2'	2'		0-2'		
2						
3	2-4'	1.8'		2-4'		At 3.0', clayey-silt, ~20-30% clay, 10 YR 5/3, brown, non-plas, dense, dry, alluvium.
4						At 4.0', clayey fine sands, ~30% clay, 10 YR 5/4, yush brown, slightly plas., stiff, slightly moist, alluvium.
5	4-6'	2'		4-6'		
6						

Drill Site Geologist: [signature] Date: 9/16/87

Reviewed By: [signature] Date: 11/13/87

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

Borehole: RP-65 Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description MUNSELL COLORS
6			NA		ML	Clayey fine-sands, ~ 30-40% clay, ~30% v.f.gr. calcareous sands, 10 YR 6/4 light ywsh brn, mottled w/ 10 YR 8/1, white, slightly plas., stiff, slightly moist, alluvium.
7	6-8'	1.6'		6-8'		
8						At 8.0', clayey fine-sands, percent clay decreases to ~ 10-15%, 10 YR, 5/4, ywsh brown, non-plas, loose, moist, alluvium.
9	8-10'	2'		8-10'		
10						At 10', clayey fine sands, ~ 15-20% Clay, ~ 20-30% silt, 10 YR 5/4 ywsh brown, v. slight plas., soft, moist, alluvium.
11	10-12'	2'		10-12'		
12						

C-146

LAB
Drill Site Geologist: N.E. Vitiello Date: 9/16/87

Reviewed By: [signature] Date: 4/../87

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC. 7332 SOUTH ALTON WAY • SUITE H-I ENGLEWOOD, COLORADO 80112 • 303/741-0639

SHEET 3 OF 3

Borehole: EP-65 Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description MUNSELL COLORS
12			NA		ML	
13						At 13.0', clayey fine-sands, 20% clay, 10 YR 5/6-8 yosh. brown, v. slight plas, soft, moist, alluvium.
14						
15					CL	Gravelly, sandy-clay, ~20% gravel (1/4" dia), 30% v.f.gr sand, 10 YR 5/3-4, brown, med. plas, med. stiff, moist, alluvium.
16					GC	At 16, ~~gravelly sandy~~ to clayey, sandy-gravels ~20% clay, 30% fine-med gr sand, 10 YR 5/4-6 yosh brn, non-plas, loose, moist, alluvium.
17					SP	Gravelly-sands, ~30-40% gravel (1/4-1/2" dia), fine-med gr sands, 10 YR 5/4, yosh brn non-plas, loose, slightly moist, alluvium.
18						

END OF BORING LOG

LAB ~~Drill~~ Site Geologist: A R [illegible] Date: 9/16/87

Reviewed By: [illegible] Date: 11/1/87

C-147

ESE, Inc. CORE LOG By CDB Date 8·10·87 BORE EP·65 Well(s) ________ Page 1 of 6

Box no.	Depth	Rec. Int.	Weath. U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min.	Mineralogy Habit	Color M G	Texture/Grain Size (mm) clay sd gr .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
															bedrock (claystone) at 36' drill & set casing to 40'
															coring begins at 40'
	40													CL	CLAYSTONE
	42	3/3			fracs. 1-3 / 1'				FeOx on fracs.	coating	2.5Y 6/6 olive yellow				
	44	.7/4													Note: poor core recovery from 40' to ≈80' contacts are as accurate as possible with this erratic core
	46														
1													47'	SS	SANDSTONE
	48	.5/4			massive										
		1/1													
	50												50'	CL	CLAYSTONE
		1.6/2													
	52	2.0/2													
	54	0/1			x-bedding & fine undulating bedding				FeOx along bedding fracs						
	56	1.5/2													
									chn ½		2.5Y ·/90		57'		} carbonaceous

BORE EP 65 WELL(S)

E, Inc.

C-148

ESE, Inc. CORE LOG By CDB Date 8·16·87 BORE EP65 Well(s) ______ Page 2 of 6

(BOX no.)	DEPTH	Rec. Int	U S	Structure/Bedding Angle	Desc.	Hardness S H	Perm. 1° L H	2° L H	Mineralogy Min	Habit	Color (M) G	Texture/Grain Size cl st sd gr mm .01 1.0 100	Lith. Char.	Lith. Class Fr	Description/Comments CM (Scale 1" = 2 ft)
									cbn. 20%		very dk. gray				carbonaceous
		3.2/4			Massive						7.5Y N4/0 dk. gray		59		CLAYSTONE
	60														
	62	1/5													
	64														
	66	4.6/3			Fine bedding ⊥ to core axis				cbn. along bedding planes						
2	68				Massive				Lignite frags 10%						
	70	5/5													
	72								FeOx stains throughout		2.5Y 5/2 grayish brown		silt 5%		color change in rock and FeOx staining appears
	74														
3	76	5/5													poor core recovery sandstone and claystone fragments present in equal proportions - best guess is sandy claystone and claystone interbeds to

C-149

EP 65 WELL(S)

ESE, Inc. CORE LOG By CDB Date 8-10-87 BORE EP-65 Well(s) ______ Page 3 of 6

BOX No.	DEPTH	Rec/Int.	Weath. U S	Structure/Bedding Angle	Structure/Bedding Desc	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min	Mineralogy Habit	Color M G	Texture/Grain Size cl st sd gr mm .01 1.0 100	Lith. Char.	Lith Class	Ft CM Description/Comments (Scale 1" = 2 ft)
					moderate but friable				FeOx staining common 10%		2.5Y 6/4 lt. yellowish brown		78'	SS	SANDSTONE poorly cemented / friable SS med grained, primarily qtz.
	80	1.6/3													
	82														
3															
	84	4.6/5							a few spots of more intense FeOx staining						
	86														black staining in core - looks oily, but no HNU readings - does not appear natural/native
	88														
	90	5/5			occas. coarse bedding				FeOx staining follows bedding						
	92				Less friable										SS less friable
									Lithic frags		2.5Y N4/0 dk gray				variation boundary: end of FeOx, dramatic color change to gray; coarser SS for 1" with lithic (claystone) frags
	94	4/5													
4															
	96												96.4	ST	Clayey SILTSTONE
					fractured				pyrite min.		2.5Y N4/0		97'	CL	CARBONACEOUS CLAYSTONE

C-150

BORE EP-65 WELL(S)

ESE, Inc. CORE LOG By CDB Date 8·10·87 BORE EP65 Well(s) ______ Page 4 of 6

Box no. / Depth	Rec. Int.	Structure/Bedding Angle	Structure/Bedding Desc	Mineralogy Min	Color	Lith. Char.	Lith. Class	Description / Comments
	5/5	30°	slickenside	3 1/4" calc. vein	2.5Y N3/0 very dk. gray	99' carbon. 10% pervasive & occas. frags	CL	CLAYSTONE Carbonaceous
100		45°	slickenside			101.6		101.6-102' mottled claystone, lg. carbon frags, and siltstone
102	4.2/5		massive but friable	cbn frags 5-7% (ave. 1/4")	2.5Y N6/0 gray	102' silty 30%	SS	SANDSTONE SILTY
104–106						105' silt 10%		silt gradually decreasing, ss becoming coarser
⑤								End of cbn. frags
108	5/5				2.5Y N4/0 dk. gray	107' no silt		sandstone very friable, poorly cemented. SS now med-grained, mostly qtz.
110–112								NOTE AGAIN: This sandstone is very poorly cemented and very friable. Moderate washing of the core results in large gouges – The point: if this is acquired, cleaning the hole or developing the well will result in abundant sands filling in, probably.
114 / ⑥	3.5/5							thin interbeds of finer grained ss
116								

Scale 1" = 2 ft

C-151

BORE EP-65 WELL(S)

ESE, Inc.

ESE, Inc. CORE LOG By CDB Date 8-10-87 BORE EP65 Well(s) ______ Page 5 of 6

BOX no.	DEPTH	Rec. Int.	Weath. U S	Structure / Bedding: Angle	Structure / Bedding: Desc	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy: Min	Mineralogy: Habit	Color (M) G	Texture / Grain Size .01 1.0 100 mm	Lith Char.	Lith. Class Ft	Description / Comments CM (Scale 1" = 2 ft)
6	120	5/5			massive but friable						2.5Y N4/0 dk. gray			SS	SANDSTONE poorly cemented and very friable
	122														
	124	4.4/5													
7	26														
	128														
	130	5/5													
	132								mottled hard pyrite 1% cbn 10-15%	massive frags	2.5Y N3/0 very dk. gray		132 CBN 40%	CL	CARBONACEOUS CLAYSTONE
	134	10/5											134 CBN 10% to 15%		CLAYSTONE
8	136	4													

EP65

C-152

ESE, Inc. CORE LOG By CDB Date 8-10-87 BORE EP65 Well(s) ______ Page 6 of 6

BOX No.	DEPTH	Rec. Int	Width U S	Structure/Bedding Angle	Desc	Hardness S H	Perm. 1° L H	2° L H	Mineralogy Min	Habit	Color M G	Texture/Grain Size	Lith. Char	Lith. Class	Description/Comments CM (Scale 1" = 2 ft)
									clas 15%	frags j- parasina	2.5Y N3/0 very dk. gray			CL	CLAYSTONE
	140	4/5													
	142								jotite				142 / 142.4		porphyritic texture - lithic frags of rounded claystone in claystone matrix
									clan 15%	frags vn lith mmmm					
8	144														
	146	10/5													
	148	3.5/2													
9											2.5Y N5/0 gray				END OF CARBON
	150														Total Depth 150'

BORE EP65 WELL(S)

ESE, Inc.

Frontier Logging
Lakewood, Colorado

Company: ESE

EP 65

RMA

ADAMS COUNTY — State: COLORADO

Ground Level

Date: AUG. 11, 1987

Driller Depth: 150 Ft

3 7/8"

drill pipe to 85 Ft

water + native mud

Ground Level

0735 — 0835

110

W. Linton

Lakewood

EQUIPMENT DATA

NATURAL GAMMA RESPONSE (ANALOG)

T.D. Logged: 145 Ft.

Natural Gamma: 200 Scale = 20

2 — 15

103-1041 — 1 5/8"

xtal 3/4 x 1 1/4"

1.60 x 10^{-5} — 7

1.10 — 3 7/8"

Resistance: 100 ohms/5"

SP: 20 MV/Inch

Run #1 Hole blocked @ 73 Ft going thru 56 Ft of drill pipe

Run #2 Logged thru 85 Ft of drill pipe

Gamma (Analog)

Gamma (Digital)

Temperature

DIRECTIONAL DATA

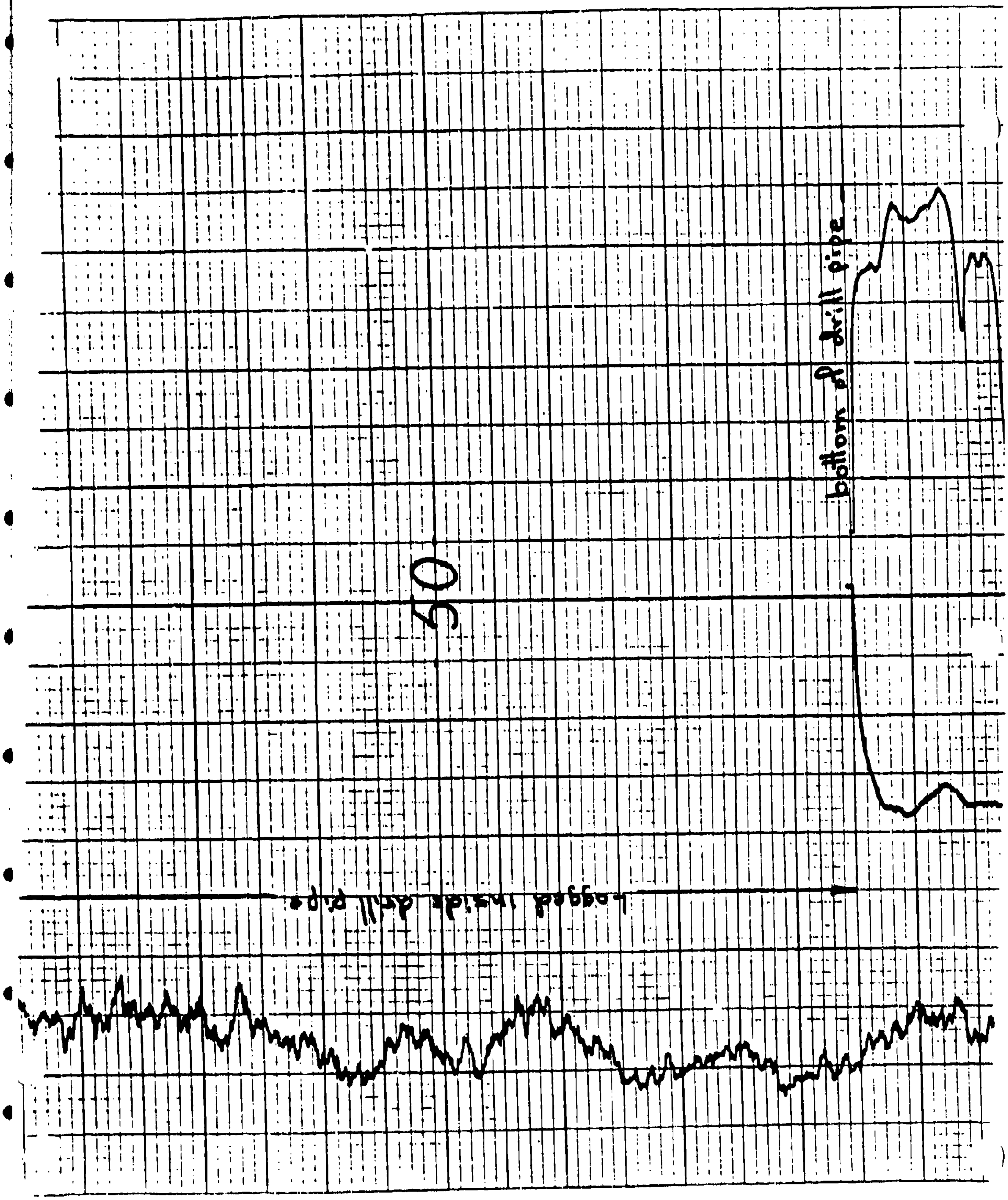
Closure

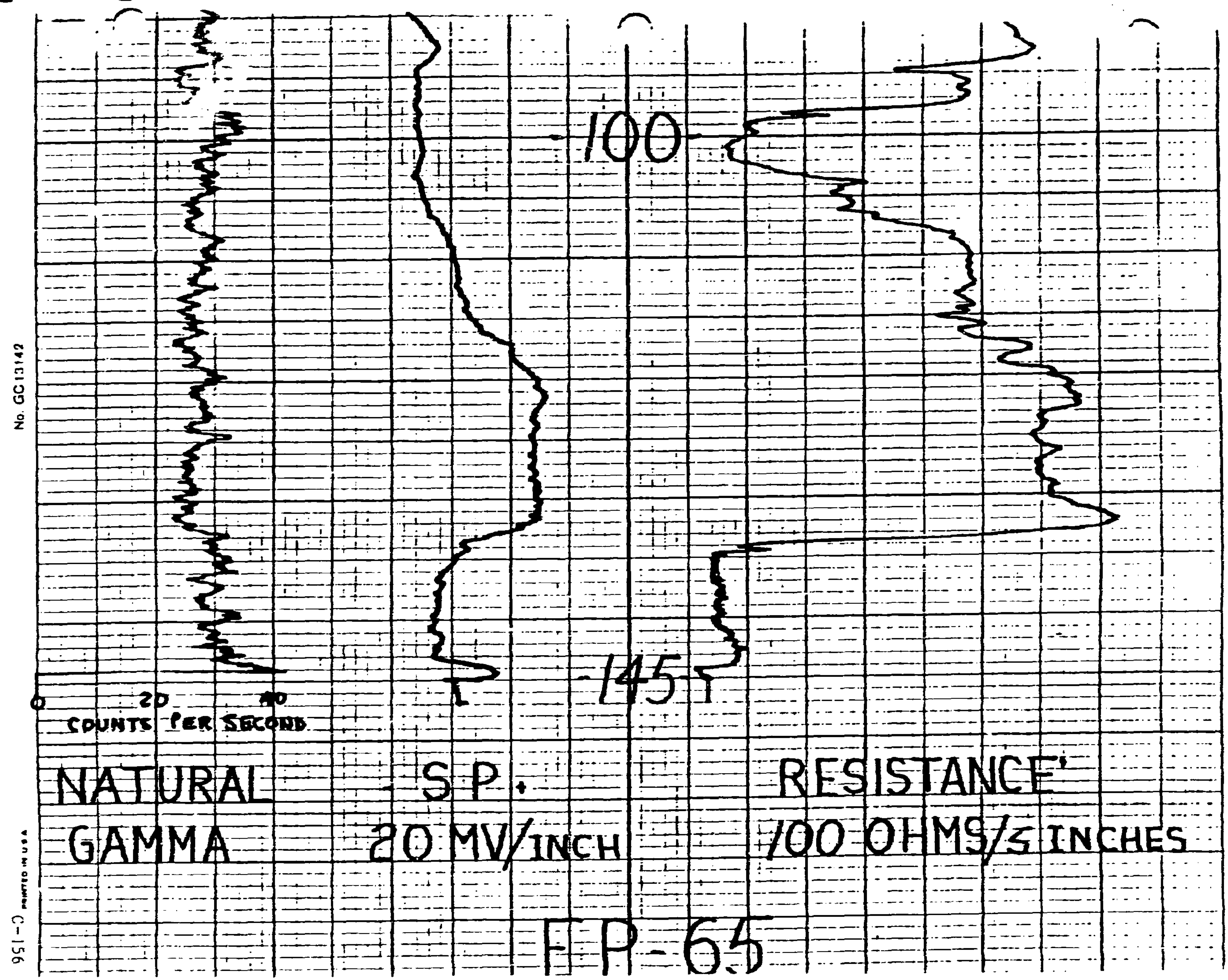
Azimuth

True Vertical

Survey Depth

C-154


bottom of drill pipe
50
Logged inside drill pipe



100
145
0 20 40
COUNTS PER SECOND
NATURAL GAMMA
S.P.
20 MV/INCH
RESISTANCE
100 OHMS/5 INCHES
FP-65
No. GC13142
C-156
PRINTED IN U.S.A.

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-6690

WELL CONSTRUCTION SUMMARY

Borehole Ep-65 Di Well 34012
Project Name and Location RMA T44, SE1/4 Sect. 34 Project Number 17053.081.10
Drilling Company Beylor Bros. Driller D. Lavoie Rig Number 2R
Drilling Method(s) Rotary

Borehole Diameter 12 1/4 in. ____ cm. 0 ft. ____ cm. to 46 ft. ____ cm.
7 7/8 in. ____ cm. 46 ft. ____ cm. to 98 ft. ____ cm.

Size(s) and types of Bit(s) 12 1/4" ? 7 7/8" Blade Bits
Sampling Method(s) Previously Cored
Date/Time Start Drilling 10/8/87 0745
Size and Type PVC 4" ID Sch 40
Date/Time Finish Drilling 10/9/87 0945
Total Borehole Depth 98 ft. ____ cm.
Date/Time Start Completion 10/9/87 1230
Depth to Bedrock ~~46~~ ft. 36 ft
Date/Time Cement Protective Casing ____
Depth to Water — ft. ____ cm.
Materials Used 101.70' PVC
Water Level Determined By —
Plain PVC 80.33'
Length Plain PVC (total) 77.23 ft. ____ cm.
Slotted PVC 21.37'
Length of Screen 21.37 ft. ____ cm.
Bentonite Pellets 2.5 buckets (150 lb)
Total Length of Well Casing 98.6 ft. ____ cm.
Bentonite Granular 7 ~~[illegible]~~ 10 1.6 bg (80 lb)
PVC Stick Up 1.6 ft. ____ cm.
Cement 7 ~~[illegible]~~ 10 11 bg. (1140 lb)
Depth to Bottom of Screen 96.5 ft. ____ cm.
Sand 5 bgs. (500 lb) Colo. Silica
Depth to Top of Screen 75.98 ft. ____ cm.
Water added during completion Ø
Depth to Top of Sand 71.0 ft. ____ cm.
Water added during drilling Ø
Depth to Top of Bentonite 65.0 ft. ____ cm.
Total Gallons of water added Ø

Drill Site Geologist A.E. Vitelli Date 10/9/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 10/20/87 1430 Dean [illegible]
wiremesh/pot grout 10/19/87 1340 Dean [illegible]
Date/Time/Personnel Casing Painted 10/21/87 1000 Dean & [illegible]
Date/Time/Personnel Numbers Painted 10/28/87 1520 [illegible]
Materials Used 16 bags Sakrete

Top of Protective Casing to Top of PVC 0.40 ft. ____ cm.
Top of Protective Casing to Weep Hole 1.54 ft. ____ cm.
Top of Protective Casing to Internal Mortar 1.77 ft. ____ cm.
Top of Protective Casing to Top of Cement Pad 1.55 ft. ____ cm.
Top of Protective Casing to Ground Level 1.3 ft. ____ cm.

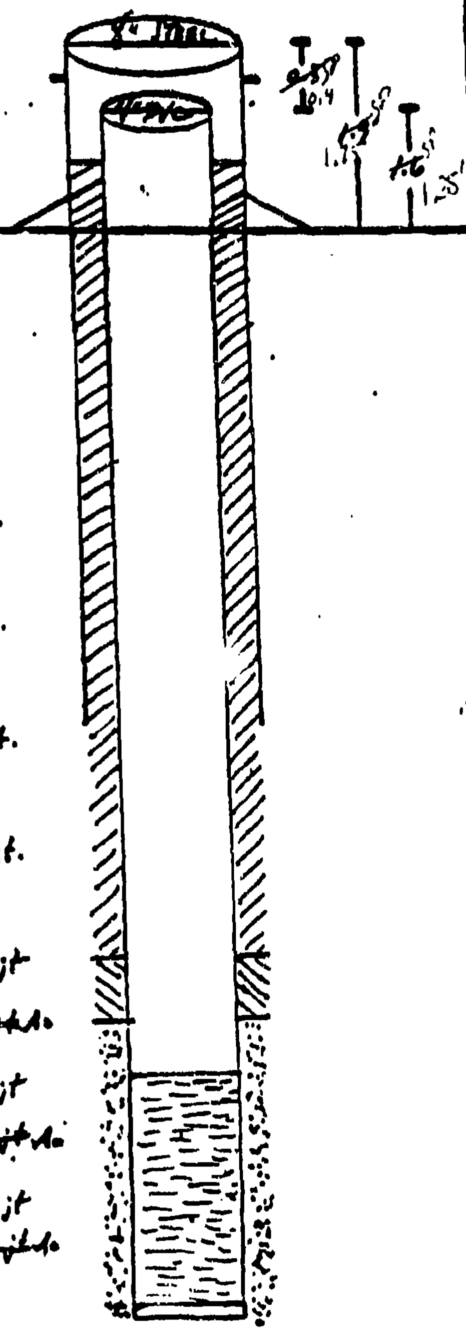
COMMENT/NOTES

Reviewed By [illegible] Date ____
Drill Site Geologist ____

C-157

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-6690

Borehole: EP-6571   Well: 34012

Depth-Feet	Soil/Rock Type	Well Completion	Description
			• 8" ID Steel Casing from 1.9' Above Ground to 46.0' Below Surface • 4" ID PVC Casing from 1.6' Above Ground to 97.0' Below Surface
		Ground Level	
5		5.33 jt.	
10			
		15.36 jt.	
20			
		25.39 jt.	
30			
		35.42 jt.	
40	CL		
		45.48 jt.	TD (8" Steel) : 46.0'
	SS		
50	CL		
		55.52 jt.	
60			
		65.59 jt	Top of Bentonite : 65.0'
70		~~70.29 jt.~~	Top of Sand : 71.0'
		75.63 jt	Top of Screen : 75.98'
80	SS	~~80.38 jt.~~	
		86.14 jt	
90		~~90.74 jt.~~	
			Bottom of Screen : 96.5'
100	CL		TD: 97.0' (PVC)

Drill Site Geologist: A.C. Vatelle   Date: 10/9/87
Reviewed By: [signature]   Date: 2/17/88

C-158

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

SHEET 1 OF 2

WELL DEVELOPMENT DATA

Bore EP-6501 Well F34012

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 10/26/87
Date Installed 10/9/87
Personnel (Name/Company) DLW /ESE
WTV /ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12¼ in. 0 ft. to 46 ft.
7⅞ in. 46 ft. to 98 ft.
Rig Used ESE well service truck
Pump (Type/Capacity) GRUNDFOS / 26 GPM
Screen Interval 75.5 ft. to 96.5 ft.
— ft. to — ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.6 ft.
Measured Well Depth TOC (Initial) 95.95 ft.
(Final) 98.60 ft.
Bottom of Screen (Below G.L.) 96.5 ft.
Water Level TOC/Date/Time (Initial) 73.0 / 10-26-87 / 1015
(after 24 hrs.) 72.90 / 10-28-87 / 1530
Feet of Water in Well 22.95 ft. x 0.653 gallons/foot = 14.99 gallons casing/anulus volume
Drilling Fluid Lost Unk gallons
One Purge Volume 40 gallons
Purge Water Lost unk gallons
Minimum Purge Volume 200 gallons
Added Water 0 gallons
Total Purge Volume 300 gallons
Casing/Anulus Volume 15 gallons
Volume Measured By 55 gallon drum
Surge Technique Raise/lower pump

Calibration: pH Meter Used: Beckman ϕ 21 SN: 015883
pH 7.00 = 7.02 at 18.9 °C, pH 10.00 = 10.08 at 18.8 °C
Conductance Meter Used: YSI Model 32 ESE #2
Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 5 gallons	1028	15.0	12.81	1563	"Soupy" muddy brown [illegible] silt
40 gallons	1052	14.4	10.13	496	cloudy w/ brown silt fine black [illegible]
80 gallons	1108	14.5	9.15	539	Cloudy w/ brown silt & brown/black [illegible]
120 gallons	1134	13.8	8.32	574	Cloudy w/ fine brown [illegible] sand some silt
160 gallons	1143	12.7	7.65	570	Cloudy w/ brown [illegible] sand [illegible] little silt [illegible]
Final 200 gallons	1156	14.0	7.74	552	Cloudy w/ brown [illegible] sand [illegible]

Sand pack. [illegible] = 7.0
255

Remarks: Initial HNU (TOC) = 20-30 ppm.
Bewatered @ 93 gallons (17 min [illegible])

Sandpack vol. 25.5 ft x .852 gal/ft = 21.7 gal.
1 Purge vol = 15.0 gal. (casing vol)
+ 21.7 gal (sand pack vol)
[illegible]

Collected by [signature] 10/26/87
Signature
C-159
Checked by [signature]
Signature

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-65D1 Well 34012

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 10/26/87
Date Installed 10/9/87
Personnel (Name/Company) DLW / ESE
WTV / ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12 in. 0 ft. to 46 ft.
7 in. 46 ft. to 91 ft.
Rig Used ESE Well Service Tower
Pump (Type/Capacity) Grundfos / 26 gpm
Screen Interval 75.74 ft. to 96.5 ft.
— ft. to — ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.6 ft.
Measured Well Depth TOC (Initial) 55.55 ft.
(Final) 78.80 ft.
Bottom of Screen (Below G.L.) 96.5 ft.
Water Level TOC/Date/Time (Initial) 77.0 / 10-26-87 / 1015
(after 24 hrs.) 72.40 / 10-28-87 / 1530
Feet of Water in Well 22.45 ft. x 0.653 gallons/foot = 14.99 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
* One Purge Volume 40 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 200 gallons
Added Water ∅ gallons
Total Purge Volume 300 gallons
Casing/Anulus Volume 15 gallons
Volume Measured By 55 gallon drum
Surge Technique Raise / lower pump

Calibration: pH Meter Used: Beckman ϕ 21 SN 015883
Recalibration → pH 7.00 = 7.02 at 19.0 °C, pH 10.00 = 10.04 at 19.4 °C
Conductance Meter Used: YSI Model 32 ESE #2
Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
~~Initial~~ 240	1208	13.7	7.60	627	Partly cloudy w/ brown/black fine sand
Final 300	1225	14.0	7.64	600	Partly cloudy w/ brown/black fine/m. sand
Final					DLW

Remarks: HNu (TOC) @ 250 gallon - 0.0 ppm
Water showed no sign of becoming completely clear.

1 Purge vol. = 15.0 gal. (casing vol)
+ 21.7 gal (sand pack vol)
36.7 gal ≈ 40 gallons

Collected by [signature] Signature 10/30/87

Checked by [signature] Signature

C-160

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-6630

WELL CONSTRUCTION SUMMARY

Borehole Ep. 65 Dr Well 34013
Project Name and Location RMA Task 44, Sec. 27 Project Number 081
Drilling Company Boyles Bros. Driller [illegible] Rig Number [illegible]
Drilling Method(s) Rotary [illegible]

Borehole Diameter 16¼ in. ____ cm. 0 ft. ____ cm. to 39 ft. ____ cm.
11¾ ~~12¼~~ in. ____ cm. 39 ft. ____ cm. to 98 ft. ____ cm.
7⅞ in 98 ft. to 135 ft.

Size(s) and types of Bit(s) 16¼", ~~12¼~~ 7⅞" 11¾" Blade Bits
Size and Type PVC 4" Sch. 40
Total Borehole Depth 135 ft. ____ cm.
Depth to Bedrock 36 ft. ____ cm.
Depth to Water — ft. ____ cm.
Water Level Determined By —
Length Plain PVC (total) 107.58 ft. ____ cm.
Length of Screen 26.72 ft. ____ cm.
Total Length of Well Casing 134.30 ft. ____ cm.
PVC Stick Up 1.3 ft. ____ cm.
Depth to Bottom of Screen [illegible] ft. 132.5 ft. cm.
Depth to Top of Screen 106.44 ft. ____ cm.
Depth to Top of Sand 101.0 ft. ____ cm.
Depth to Top of Bentonite 96.0 ft. ____ cm.

Sampling Method(s) [illegible]
Date/Time Start Drilling 10/13/87 1050
Date/Time Finish Drilling 10/14/87 1240
Date/Time Start Completion 10/14/87 1445
Date/Time Cement Protective Casing
Materials Used
Plain PVC 137.27'
Slotted PVC 26.72'
Bentonite Pellets 2 buckets (100 lb.)
Bentonite Granular 5 bags (250 lb.)
Cement 45 bags (4050 lb.)
Sand 8 bags (800 lb.)
Water added during completion 0
Water added during drilling 0
Total Gallons of water added 0

Drill Site Geologist A.A. Ostella Date 10/15/87

INT MORTAR/WEEP HOLE 10/19/87 1515 [illegible]
Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 10/20/87 1500 [illegible]
Date/Time/Personnel Casing Painted 10/21/87 1545 DEW & WTV
Date/Time/Personnel Numbers Painted 10/28/87 1520 WTV
Materials Used 14 BAGS SACRETE

Top of Protective Casing to Top of PVC 0.80 ft. ____ cm.
Top of Protective Casing to Weep Hole 1.17 ft. ____ cm.
Top of Protective Casing to Internal Mortar 1.58 ft. ____ cm.
Top of Protective Casing to Top of Cement Pad 1.65 ft. ____ cm.
Top of Protective Casing to Ground Level 2.15 ft. ____ cm.

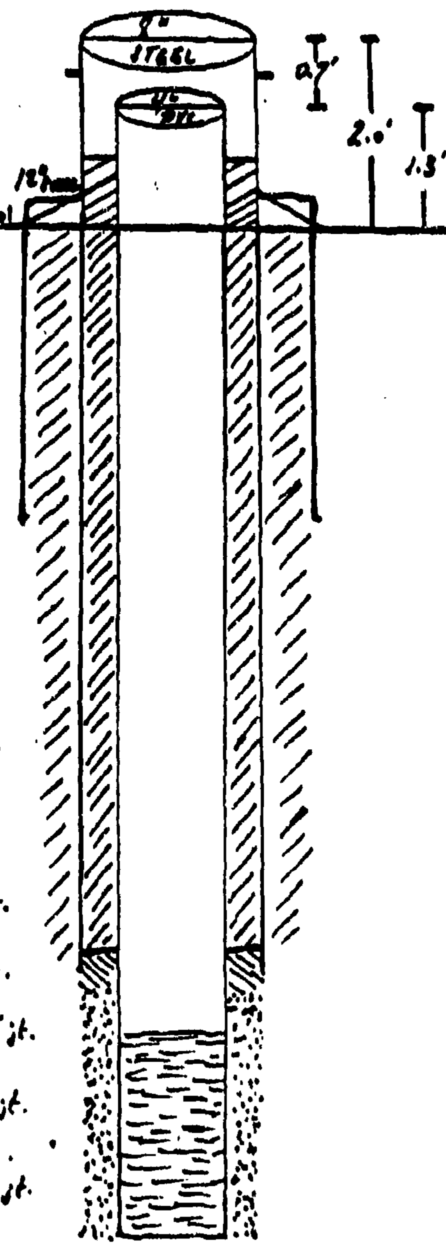
COMMENT/NOTES

C-161

Reviewed By [signature] Date 12/5/87
Drill Site Geologist

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-6839

Borehole: Ep-65?? Well: 34013

Depth-Feet	Soil/Rock Type	Well Completion	Description
			12" ID STEEL: GROUND TO 39.0' BELOW
			8" ID STEEL: 2.0' ABOVE GROUND TO 98.0' BELOW
			4" ID PVC: 1.3' ABOVE GROUND TO 133.0' BELOW
0		Grnd Level	
		5.77 jt.	
15		15.54 jt.	
		25.89 jt.	
30			
	CL	35.93 jt.	TD: (12" STEEL): 39.0'
45	CL	45.95 jt.	
	SS		
	CL	56.03 jt.	
60		66.06 jt.	
75		76.07 jt.	
	SS		
90		86.15 jt.	TOP OF BENTONITE SEAL: 96.0'
	CL	96.2 jt.	TD (8" STEEL): 98.0'
105	SS	106.25 jt.	TOP OF SAND PACK: 101.0'
			TOP OF SCREEN: 106.14'
		116.50 jt.	
120		127.34 jt.	BOTTOM OF SCREEN: 132.5'
135	CL		TD: 133.0' (PVC)

Drill Site Geologist: S.A. Costello Date: 10/15/87
Reviewed By: [signature] Date: 1/7/87

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-6502 Well 34013

Project RMA-ON-POST
Project Number T-TASK 44
Date(s) Developed 10/26/87
Date Installed 10/14/87
Personnel (Name/Company) DLW / ESE
WTV / ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 16¾ in. 0 ft. to 39 ft.
* 11¾ in. 39 ft. to 98 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS 20 GPM
Screen Interval 100.44 ft. to 132.5 ft.
Bailer (Type/Capacity) N/A
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 1.3 ft.
Measured Well Depth TOC (Initial) 134.6 ft.
(Final) 134.41 ft.
Bottom of Screen (Below G.L.) 132.5 ft.
Water Level TOC/Date/Time (Initial) 48.3 / 10-26-87 / 1500
(after 24 hrs.) 48.49 / 11-2-87 / 1320
Feet of Water in Well 86.3 ft. x 0.653 gallons/foot = 56.35 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
** One Purge Volume 85 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 425 gallons
Added Water ∅ gallons
Total Purge Volume 765 gallons
Casing/Anulus Volume 56.4 gallons
Volume Measured By 55 GAL. DRUM
Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN ∅ 21 SN: 015853
pH 7.00 = 7.02 at 17.7 °C, pH 10.00 = 10.09 at 17.7 °C
Conductance Meter Used: YSI MODEL 32 ESE #2
Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 5 gal.	1540	13.6	11.79	1741	cloudy w/ gray silt or bentonite, grout; some fine sand
85 gal.	1547	13.6	11.42	901	partly cloudy w/ some silt, gray
170 gal.	1555	13.4	11.09	506	partly cloudy
255 gal.	1604	13.5	10.31	493	partly cloudy, some fine sand
340 gal.	1614	13.3	10.24	383	partly cloudy
Final 425 gal.	1621	13.0	10.21	365	partly cloudy, some fine gray fine sand

Remarks: Initial HNU (TOC) - 0.0 ppm
Well was "pre-developed" on 11/14/87 ... gallons pumped.
* Final annulus dia. = 7⅞ 98 to 135 ft.

** Purge vol: = 56.4 (casing vol.) + 26.8 (sandpack vol.) = 83.2 gallons

Bottom screen = 132.5
Top 2° sand = 101.0
31.5

Sandpack vol = 31.5 ft × .3513 gal/ft = 26.8 gallons

Collected by [signature] Signature 10/26/87
Checked by [signature] Signature

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

SHEET 2 OF 2

WELL DEVELOPMENT DATA

Bore EP-65 D2 Well 34013

Project RMA ON-POST — Project Number TASK 44

Date(s) Developed 10/29/87 — Date Installed 10/14/87

Personnel (Name/Company) DLW/ESE, WTV/ESE — Well Diameter (I.D.) 4 in.

Anulus Diameter 10¾ in. 0 ft. to 37 ft.; 12¼ in. 37 ft. to 135 ft.

Rig Used ESE WELL SERVICE TRUCK

Pump (Type/Capacity) GRUNDFOS / 2 GPM — Screen Interval 106.4 ft. to 132.5 ft.; ft. to ft.

Bailer (Type/Capacity) N/A

Water Source RMA — Casing Height (Above G.L.) 1.3 ft.

Measured Well Depth TOC (Initial) 134.6 ft. (Final) 134.4 ft. — Bottom of Screen (Below G.L.) 132.5 ft.

Water Level TOC/Date/Time (Initial) 48.3 / 10-26-87 / 1500

(after 24 hrs.) 49.49 11-2-87 1330

Feet of Water in Well 86.3 ft. x 0.653 gallons/foot = 56.35 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons — ** One Purge Volume 85 gallons

Purge Water Lost N/A gallons — Minimum Purge Volume 425 gallons

Added Water 0 gallons — Total Purge Volume 765 gallons

Casing/Anulus Volume 56.4 gallons — Volume Measured By 55 GALLON DRUMS

Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN ϕ 11 S/N: 045883

pH 7.00 = 7.01 at 21.3 °C, pH 10.00 = 10.04 at 21.8 °C

Conductance Meter Used: YSI MODEL 32 ESE #2

Standard 1413 umhos/cm at 25°, Reading umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 425	1132	14.5	10.91	465	cloudy w/ gray silt & fine sand
510	1140	14.4	10.48	415	partly cloudy w/ fine gray/brn fine sand
595	1148	14.3	9.93	402	partly cloudy w/ [illegible]
680	1157	14.3	9.60	370	partly cloudy w/ fine gray/brn fine sand
765	1205	14.2	9.74	392	partly cloudy w/ fine gray/brn [illegible]
Final					

Remarks: Water level = 48.55 [illegible] on [illegible] [illegible] gallons purged
Initial [illegible] (TOC):
[illegible] 7.3 [illegible] 135 [illegible]

** 1 Purge vol: 56.4 casing vol
+ 26.8 sand pack vol.
83.2 ≈ 85 gallons.

Collected by [signature] Signature 10/29/87

Checked by [signature] Signature 3/[illegible]

C-164

EP-66

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

BOREHOLE SUMMARY LOG

Borehole EP-66 Well 03012

Project Name and Location RMA Section 34 M.W. [illegible] Project Number T 4 [illegible]

Drilling Company [illegible] Driller B. [illegible] Rig Number Failing 500

Drilling Method(s) continuous core

Size(s) and type(s) of bit(s) 3¾" tricone, 12¼" Auger

Borehole Diameter 12¼ in. ___ cm. 0 ft. ___ cm. to 16.7 ft. ___ cm.

3¾" in. ___ cm. 16.7 ft. ___ cm. to 160.0 ft. ___ cm.

Sampling Methods core

Total Number Soil Sampling Tubes —

Total Number Core Boxes 14

Number of Gallons Lost Drilling Fluid —

Date/Time Started Drilling 8/12/87 0754

Date/Time Completed Drilling 8/17/87 0856

Total Borehold Depth 160 ft. ___ cm.

Depth to Bedrock 13.7 ft. ___ cm.

Depth to Water — ft. ___ cm.

Water Level Determined By? —

Borehole Completed as Monitoring Well? No

Date/Time Grouting Completed 8/18/87 0759

Depth of Tremmie Pipe 155'

Gallons of Grout 140

Materials Used 10 bags of cement, 150 gal H_2O, 1 bucket bentonite

Comments grouted to ground surface

Wellsite Geologist [signature] Date 9/16/87

Checked for Grout Settlement on 9/16/87 by [signature]

Amount of Grout Added None - grout at ground surface

All Measurements from Ground Level

Reviewed by [signature] Date [illegible]

Drill Site Geologist [signature] Date [illegible]

C-166

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

Borehole: EP-66 Well Number: 03012

Depth - Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
1	1 / 0.0'-2.0'	0.9/2.0			SM	Silty SAND, 20% silt, fine to coarse grained SAND 10YR 4/3, dark brown, dry, very loose, non plastic
2, 3	2 / 2.0'-4.0'	2.0/2.0	Same as tube number	Same as tube interval	SM	Silty SAND, 15% silt, fine to coarse grained SAND, 10YR 5/6, yellowish brown, dry, loose, non plastic
4, 5	3 / 4.0'-6.0'	2.0/2.0				
6, 7	4 / 6.0'-8.0'	2.0/2.0			SC	Clayey SAND, 30% clay, fine to coarse SAND, 10YR 6/6, Brownish yellow, moist, medium dense calcareous stringers and nodules, low plastic
8, 9	5 / 8.0'-10.0'	2.0/2.0				
10	6 / 10.0'-12.0'	1.7/2.0				

C-167

Drill Site Geologist: [signature] Date: 8/12/87

Reviewed By: [signature] Date: 4/1/88

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0838

SHEET 2 OF 2

Borehole: EP-66 Well Number: 03012

Depth–Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
					SC	Clayey Sand (see pg. 1)
11	6 / 10.0'-12.0'	1.7'/2.0'	Same as tube number	Same as tube interval		
12					CL	Clay, 30% sand, fine to very coarse grained, 5% small gravel, 10YR 8/2, white, ~~medium~~? stiff, moist, medium plastic, very calcareous
13	7 / 12.0'-14.0'	2.0'/2.0'			CL	Clay w/ medium to coarse claystone clasts, 10YR 6/6, brownish yellow, very stiff, moist, medium plastic, calcareous nodules
14						SANDSTONE Bedrock, 20% silt, w/ laminated clay lenses 10YR 5/6 yellowish brown, 3% carbon fragments, 5% mica, calcareous stringers
15	8 / 14.0'-16.0'	2.0'/2.0'				
16						TOTAL DEPTH 16.0'

Drill Site Geologist: [signature] Date: 8/12/87

Reviewed By: [signature] Date: [illegible]

C-168

ESE, Inc. CORE LOG By SP Date 8/17/87 BORE EP- Well(s) ________ Page 1 of 15

Depth	Structure / Bedding (Desc.)	Mineralogy	Color	Lith. Char.	Lith. Class	Description / Comments (Scale 1" = 2 ft)
						bedrock at 13.7 Casing set to 15.7 Begin coring 16'
16'	See Alluvial Sampling Log			16'	SS	SANDSTONE Composed of 90% rounded lithic olive claystone fragments (to ½") weak alignment
16–18.5	Coarse banding	FeOx consistent on fractures	2.5YR 5/4 light olive brown			
18.5	laminated		5Y 6/3 pale olive	18.5'	CS	claystone
19	massive	cbt 5%				
20	massive	FeOx stains	5Y 6/1 grey	20' Sand 30%	St	Siltstone - weakly cemented
20.5	Finely bedded		5Y 6/2 lt. olive grey	20.5	CL	claystone

Depth scale: 16, 17, 18, 19, 20, 21, 22, 23

Box ① ; 3/5 at 19

SE, Inc. BORE EP-66 WELL(S)

C-169

ESE, Inc. CORE LOG By SP Date 8/17/87 BORE EP-66 Well(s) ________ Page 2 of 15

Box No.	Depth	Rec. Int.	U / S	Structure/Bedding: Angle	Structure/Bedding: Desc.	Hardness (S–H)	Perm. 1° (L–H)	Perm. 2° (L–H)	Mineralogy: Min.	Mineralogy: Habit	Color (M / G)	Texture/Grain Size (clay sd gr, mm .01 .10 100)	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
											5Y 6/2 lt olive gry			CL	Claystone
	25														
	26				finely bedded				Fe Ox stain		7.5YR 3/0 very dark grey		26.2'	~~26.2'~~ CS	Claystone
	27														
1															
	28														
	29			45°	massive				6% clay gray		5YR 5/3 olive				
	30														
	31								Fe parting				31'		continous Fe stains and Fe partings
2	32														
	33														

C-170

E, Inc. Bore EP-66 WELL(S)

ESE, Inc. CORE LOG By SD Date 8/17/87 BORE EP-66 Well(s) ______ Page 5 of 11

BOX No.	DEPTH	Rec. Int.	Width U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min.	Mineralogy Habit	Color (M) G	Texture/Grain Size cl st sd gr mm .01 1.0 100	Lith. Char.	Lith. Class	Description/Comments Ft CM (Scale 1" = 2 ft)
					massive						2.5YR 4/4 olive brown			CS	Claystone
	35														
	36								decomposed wood						
	37								3% cbn frags						
2	38														
	39														
	40				massive				5% Mat.		2.5Y 6/6 olive yellow		40' 30% sand	St	Siltstone - weakly cemented
	41														
	42								FeOx stains; 3% cbn frg		5Y 5/2 olive grey		42' 10% silt	CS	Claystone
3	43														

BORE EP-66 WELL(S)

ESE, Inc.

C-171

ESE, Inc. CORE LOG By SP Date 8/17/10 ~~EP-65~~ BORE EP-66 Well(s) ______ Page 9 of 15

Box no.	Depth	Rec. Int.	U S	Angle	Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Min	Habit	Color M G	Texture/Grain Size .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
					Massive				FeOx		2.5Y 4/0 dark grey		20% Si H	CS	Claystone
	45														
					~~Finely~~ bedded										
	46										10YR 3/3 dark brown				
	47'				Massive						10YR 5/6 yellowish brown		47' 5% musc.	SS	Sandstone
	48								3% Cbn frags						
3	49														
	50														weakly cemented from 50 - 52'
	51														
	52														
14	53														

WELL(S) EP-66

E, Inc.

ESE, Inc. CORE LOG By SP Date 9/17/87 BORE EP-66 Well(s) ______ Page 5 of __

Box no.	Depth	Rec. Int.	Weath. U S	Structure/Bedding: Angle	Structure/Bedding: Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy: Min	Mineralogy: Habit	Color M G	Texture/Grain Size (clst sd gr; mm .01 1.0 100)	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = ___ ft)
	54				faint thin bedding						10YR 5/3 brown			SS	SANDSTONE weakly cemented
	55				massive										
	56														
	57								FeOx coatings Fe partings		10YR 6/6 yellowish brown		57' 30% clay CS clasts		
	58														
4	59														
	60														
	61				massive						10YR 5/3 brown		61 30% sand	CL	Claystone
	62				massive								62'	SS	SANDSTONE
	63				finely bedded				gyp CaCO3 filled				63'	CS	Claystone

C-173

BORE EP-66 WELL(S)

E, Inc.

Box no.	Depth	Structure/Bedding Desc.	Mineralogy	Color	Lith. Char.	Lith. Class	Description/Comments
	64	finely bedded		10YR 5/3 brown		cs	Claystone
	65		Fe parting surface ⊥ to core axis	10YR 5/3 brown	20% cl	SS	Sandstone, well cemented
	66						
	67						
4	68	Massive		10YR 6/2 lt. brownish gray	20% claystone clasts up to 1½"		
	69						
	70						
	71			10YR 5/6 yellowish brown	50% cs clasts cgl	71' SS	Sandstone (lithic) (claystone clasts)
5	72					72' SS	Sandstone
	73			2.5Y 2/0 black			oxidation boundary Siltstone calcareous

CM (Scale 1" = ______ ft)

BORE EP-66 WELL(S)

Inc.

C-174

BOX no.	DEPTH	Rec. Int.	Lith. U S	Structure / Bedding: Angle	Structure / Bedding: Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy: Min.	Mineralogy: Habit	Color M G	Texture / Grain Size (cl st sd gr; mm .01 1.0 100)	Lith. Char	Lith. Class Ft	Description / Comments CM (Scale 1" = ____ ft)
	74				Massive				Calcite fill streaks		2.5Y 2/0 black				
	75												10% silt	75' CS	Claystone
	76								Clay strands						
	77														
	78														
	79														
5															
	80				irregular bedding				5% cbn frag		10YR 6/1 grey			80 St	Siltstone
	81														
	82				Massive									82 SS	SANDSTONE weakly cemented
6									5% cbn fragments		10YR 6/1 grey				
	83														

BORE EP-66 WELL(S)

E, Inc.

Box no. / Depth / Rec Int	Width (U S)	Structure / Bedding (Angle, Desc.)	Hardness (S H)	Perm. (1° L H, 2° L H)	Mineralogy (Min., Habit)	Color (M G)	Texture / Grain Size (clst ed or mm .01 1.0 100)	Lith. Char.	Lith. Class (Ft)	Description / Comments (CM (Scale 1" = 2 ft))
84		Massive							SS	Sandstone
85						10 YR 2/1 black		Finely interbedded with silt	85' CS	Claystone waxy (glossy)
86										
87										
88										
(6)		massive			6% clr frags	2.5Y 5/0 grey			88.5' ST	Siltstone
89										
90										
91										
(7)										
92		Finely bedded						interbedded with cs		
5/5										
93								93' 20% silt	CS	Claystone

C-176

WELL(S) EP-66

CORE

ESE, Inc.

ESE, Inc. CORE LOG By S.Y Date 8/8/97 BORE EP-66 Well(s) ______ Page 9 of 11

BOX no.	DEPTH	Rec. Int.	Weath. U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min	Mineralogy Habit	Color M G	Texture/Grain Size .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = ___ ft)
	94				massive						2.5Y 3/0 black		20% silt	CS	Claystone
	95	5/5													
	96														
	97														
	98	4.8/5.0													
7	99												cak.		
	100														
8	101														
	102	5/5													
	103								3% cbr frag		5Y 4/1 dark gray				

BORE EP-66 WELL(S)

Inc.

C-177

Depth	Structure/Bedding Desc.	Mineralogy	Color	Lith. Char	Lith. Class	Description / Comments
104–107	massive		5Y 4/1 dark gray		CS	Claystone
107	massive	5% cbn frags		107'	St	Siltstone
107.5	Massive cs with thin intbds of st			107.5'	CS	Claystone with thin interbeds of siltstone
109.8	Finely bedded (irregular)		5Y 6/1 grey	109.8'	St	Siltstone
111	finely bedded (irregular)	3% cbn frags		111'	SS	Sandstone interbedded with siltstone
113.5				113.5'	St	~~Sandstone~~ Siltstone interbedded with claystone

Depth marks: 104, 105, 106, 107, 108, 109, 110, 111, 112, 113

Box: 8, 9

Rec./Int.: 5/5, 5/5, 5/5

C-178

WELL(S) EP-66

E, Inc.

ESE, Inc. CORE LOG By ___ Date ___ BORE ___ Well(s) ______ Page ___ of ___

BOX No.	DEPTH	Rec. Int.	Structure / Bedding: Desc.	Mineralogy: Min.	Color (M)	Lith. Char.	Lith. Class	Description / Comments
			finely bedded (irregular)	7% cbn frag	5Y 6/1 grey		St	Siltstone, finely interbedded with claystone
9	115, 116	5/5						
	117		bedded		black	117		lignite seam, easily broken
			massive		2.5Y 3/0	117.3' 20% silt	CS	Claystone
	118		irregular bedded		v. dark grey	118	St	Siltstone w/occ thin lenses of claystone
10	119, 120	5/5		1% cbn frag	5Y 7/1 lt. grey			
	121, 122				5Y 3/1 very dark grey			
	123	4.9/5.0	finely bedded		5Y 4/1 dark	123	SS	Sandstone weakly cemented

BORE EP-66 WELL(S)

E, Inc.

C-179

ESE, Inc. CORE LOG By SY Date 8/11/88 BORE EP-66 Well(s) ______ Page 2 of 15

Box No.	Depth	Rec.	Structure/Bedding Angle	Structure/Bedding Desc.	Mineralogy Min	Color (M)	Lith. Char.	Lith. Class	Description/Comments CM (Scale 1" = ___ ft)
			30°	finely bedding carbon	5% clm	5Y 4/1 dark gray		SS	SANDSTONE
	125			MASSIVE					
	126	49/50							
8	127			Massive		2.5Y 2/0 black	127 20% fine grained white opals	CS	Claystone
9 / 10	128								
10	129								
	130	45/45							
11	131								
12	132	3.3/4.7 / 5			5% clm frag				
	133			banded	5% clm frag	5Y 7/1 lt	133'	St	Siltstone

C-180

Boring EP-66 WELL(S)

ESE, Inc.

Box no. | Depth | Rec. Int. | Width U S | Structure / Bedding: Angle, Desc. | Hardness S H | Perm. 1° L H, 2° L H | Mineralogy: Min, Habit | Color M G | Texture / Grain Size cl st sd gr mm .01 .10 100 | Lith. Char. | Lith. Class Ft | CM (Scale 1" = ____ ft) | Description / Comments

Box	Depth	Rec. Int.	Structure / Bedding Desc.	Color	Lith. Char.	Lith. Class	Description / Comments
						St	Siltstone
	135	3.4 4.7 / 5.0	Massive	2.5Y 2/0 black	134.3'	CS	Claystone
	136						
	137						
12	138	4 / 5	Finely bedded	2.5Y 3/0 v. dark grey	137.5'	St	Siltstone
	139		Massive		139'	SS	SANDSTONE well cemented
			Finely bedded		139.5'	St	Siltstone
	140		Massive	2.5 2/0 black	140'	CS	Claystone
13	141 / 142	4.3 / 5	Fine undulating bedding	2.5 4/0 dark grey	141'	St	Siltstone
	143						

BORE EP-66 WELL(S)

..., Inc.

C-181

ESE, Inc. CORE EP-66 WELL(S)

Box no.	DEPTH	Rec. Int.	Weath. U S	Structure/Bedding Angle	Desc.	Hardness S H	Perm. 1° L H	2° L H	Mineralogy Min	Habit	Color M G	Grain Size (clst ed gr, mm .01 .10 100)	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
					v. irregular bedding (secondary structures)						2.5Y 4/0 dark gray			St	Siltstone
	145														
	146				Massive				% fine grain white opacs		2.5Y 2/0 black		146' 10% fine grained white opacs	CS	Claystone
		1/1													
	147														
13	148														
	149														
	150	5/5													
	151														
14	152														
	153	2.2/3			Blocky Structure										

ESE, Inc. CORE LOG By SP Date 8/18/87 BORE EP-66 Well(s) ______ Page 15 of 15

BOX No.	DEPTH	Rec. Int	Weath. U S	Structure / Bedding Angle	Structure / Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min.	Mineralogy Habit	Color M G	Texture / Grain Size cl st sd gr mm .01 .10 100	Lith. Char.	Lith. Class Ft	Description / Comments CM (Scale 1" = ___ ft)
					blocky						2.5Y 2/0 black			CS	Claystone
	155														
	156				massive				2% cln frag						
14		5/5													
	157														
	158														
	159														
	160				160' Total depth										

BORE EP-66 WELL(S) ______

E, Inc.

Frontier Logging

Lakewood, Colorado

Company: ESE

Bore Hole: EP-66

Area/Project: RMA

County: ADAMS COUNTY   State: COLORADO

Section: Township: Range: Elevation:

Log Measured From: Ground Level

Date: AUG. 17, 1987

Driller Depth: 160 Ft	
Bit Size: 3 7/8"	
Casing Depth: 16 Ft.	Time In: 1015 / Time Out: 1055
Fluid: native mud/water	Unit No.: 110
Density/Viscosity:	Operator: Wm. Linton
Drilling Measured From: Ground Level	Location: Lakewood

Equipment Data

T.D. Logged	155 Ft
Natural Gamma	200 Scale = 20 CPS per inch
Time Constant	2 Sec
Logging Speed	15 Ft/Min
Calib. Source No/Value	CPS
Probe No	103-1421
Probe Diameter	1 5/8"
Detector Type Size	xtal 3/4 x 1 1/4"
K Factor	1.60 x10^{-5}
Dead Time	7 Microsec
Water Factor	1.10
Hole diameter	3 7/8"
Casing Factor	
Resistance	200 ohms/5" Ohms per 5 Inches
SP	20 MV/Inch MV per Inch

Natural Gamma Repeats

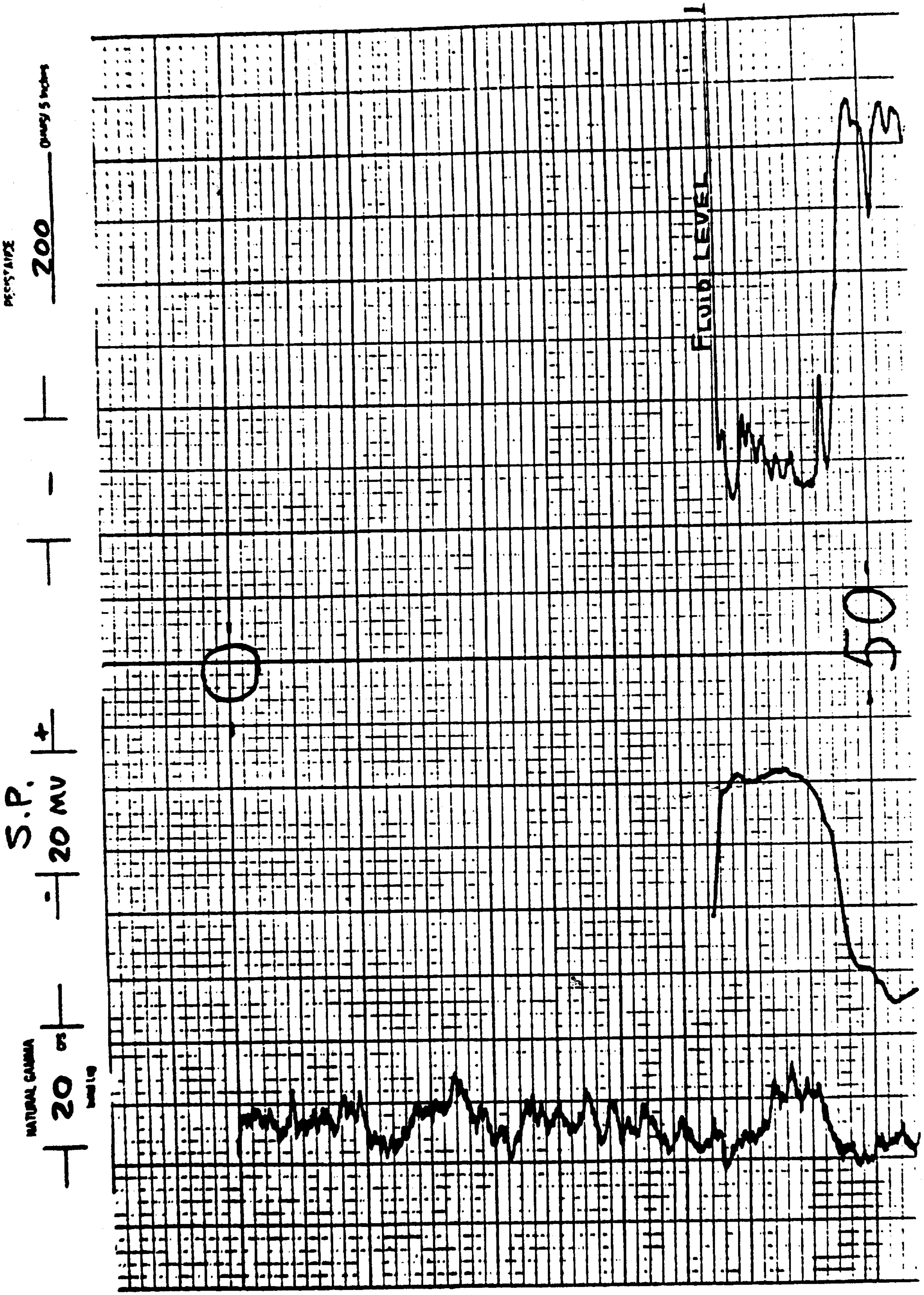
Scale	Scale	Scale	Scale
= CPS/in	= CPS/in	= CPS/in	=
TC Sec / Logging Speed Ft/Min	TC Sec / Logging Speed Ft/Min	TC Sec / Logging Speed Ft/Min	TC Sec / Logging Speed
From Ft To Ft	From Ft To Ft	From Ft To Ft	From To Ft
Total Ft	Total Ft	Total Ft	Total

Gamma (Analog) Ft	Density Source No
Gamma (Digital) Ft	Type
Caliper Ft	CPS/Inch
Temperature Ft	

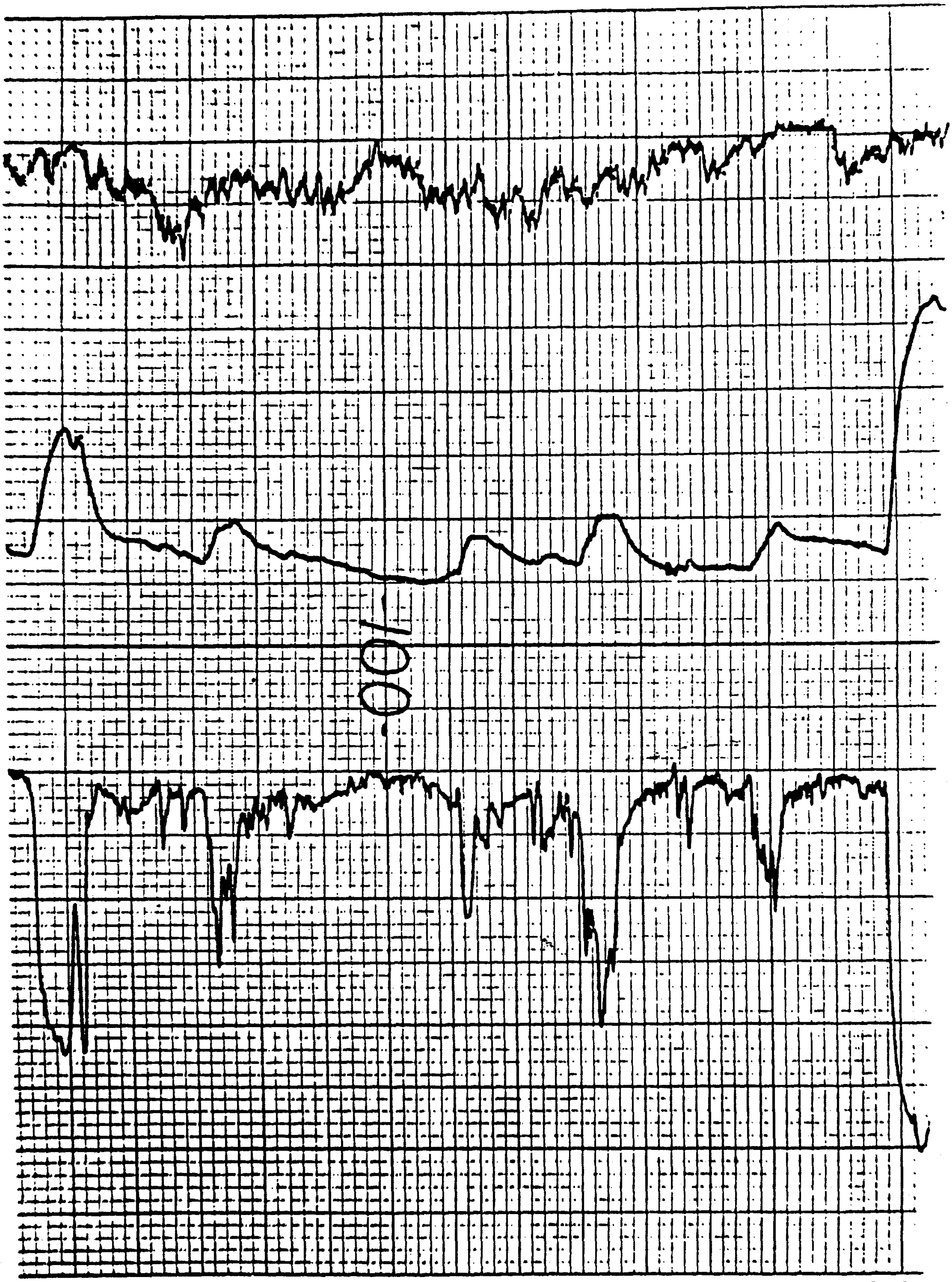
Directional Data

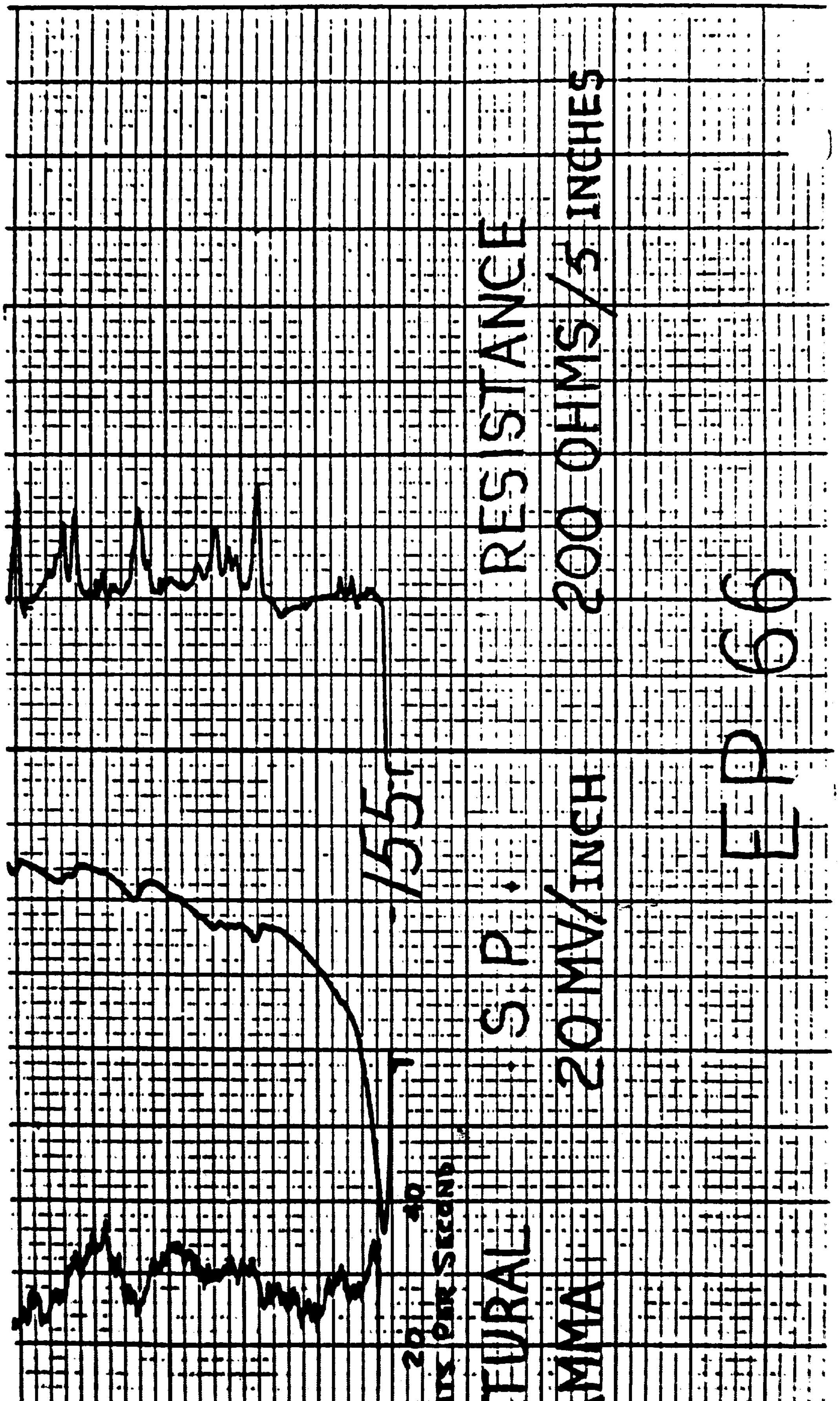
Closure Ft	Neutron Source No
Azimuth	Type / Strength
True Vertical Ft / Survey Depth Ft	CPS/Inch

C-184



C-185


100



20 COUNTS PER SECOND 40
NATURAL GAMMA
S.P.
20MV/INCH
155
RESISTANCE
200 OHMS/5 INCHES
EP 66

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-6050

WELL CONSTRUCTION SUMMARY

Borehole Ep-6671 Well 03012
Project Name and Location RMA TASK 44, NE1/4 Sect. 3 Project Number
Drilling Company Boyles Bros. Driller Dan Lavine Rig Number 12
Drilling Method(s) Rotary wash

Borehole Diameter 12 1/4 in. ___ cm. 0 ft. ___ cm. to 19 ft. ___ cm.
7 7/8 in. ___ cm. 19 ft. ___ cm. to 63 ft. ___ cm.

Size(s) and types of Bit(s)	12 1/4, 7 7/8 Blade Bits	Sampling Method(s)	Previously cored
Size and Type PVC	4" ID Sch 40	Date/Time Start Drilling	10/15/87 1410
		Date/Time Finish Drilling	10/16/87 0915
Total Borehole Depth	63 ft. ___ cm.	Date/Time Start Completion	10/16/87 0920
Depth to Bedrock	13.7 ft. ___ cm.	Date/Time Cement Protective Casing	
Depth to Water	— ft. — cm.	Materials Used	
Water Level Determined By	—	Plain PVC	46.29'
Length Plain PVC (total)	46.29 ft. ___ cm.	Slotted PVC	16.21'
Length of Screen	16.21 ft. ___ cm.	Bentonite Pellets	2 buckets (10 lb.)
Total Length of Well Casing	62.50 ft. ___ cm.	Bentonite Granular	1/10 bag (4 lb.)
PVC Stick Up	1.50 ft. ___ cm.	Cement	8 bags (720 lb.)
Depth to Bottom of Screen	60.50 ft. ___ cm.	Sand	3.5 bags (350 lb.)
Depth to Top of Screen	44.96 ft. ___ cm.	Water added during completion	0
Depth to Top of Sand	40.0 ft. ___ cm.	Water added during drilling	30 gal. (est.)
Depth to Top of Bentonite	34.0 ft. ___ cm.	Total Gallons of water added	30 gal

Drill Site Geologist S.E. Ostelle Date 10/16/87

Date/Time/Personnel Internal Morter, Cement Pad, and Weep Hole Installed 10/21/87 / 1330 / DW / WTV
Date/Time/Personnel Casing Painted 10/26/87 / 1410 / DW / WTV
Date/Time/Personnel Numbers Painted 10/28/87 / 1100 / WTV
Materials Used 13 BAGS SAKRETE

Top of Protective Casing to Top of PVC	0.20 ft.	___ cm.
Top of Protective Casing to Weep Hole	1.15 ft.	___ cm.
Top of Protective Casing to Internal Morter	1.64 ft.	___ cm.
Top of Protective Casing to Top of Cement Pad	1.78 ft.	___ cm.
Top of Protective Casing to Ground Level	1.78 ft.	___ cm.

COMMENT/NOTES

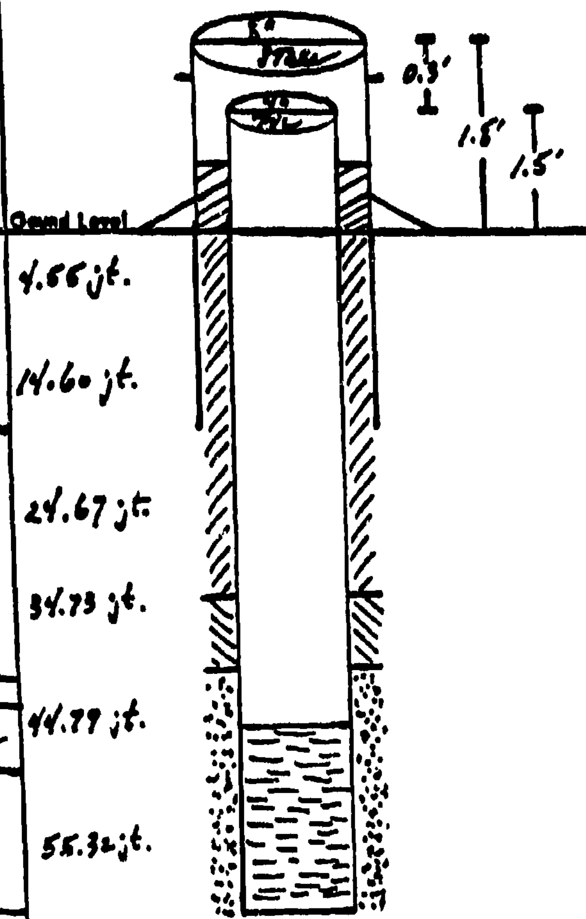
Reviewed By [signature] Date 2/1/88 C-188

Drill Site Geologist

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-8090

Borehole: 50-66 D1 Well: 03012

Depth–Feet	Soil/Rock Type	Well Completion	Description
			- 8" ID Steel : 1.8' above ground to 19.0' below surface
			- 4" ID Sch 40 PVC : 1.5' above ground to 61.0' below surface
10			
	SS		
20	CL		TD : 19.0' (STEEL)
30			TOP OF BENTONITE : 34.0'
40	SS		TOP OF SAND : 40.0'
	CL		TOP OF SCREEN : 44.96'
50	SS		BOTTOM OF SCREEN : 60.5'
60	CL		TD : 61.0' (PVC)
70			



C-189

Drill Site Geologist: A.R. Vitelli Date: 10/16/85
Reviewed By: [illegible] Date: 3/17/88

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP-66 D1 Well 03012

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 10/29/87
Date Installed 10/16/87
Personnel (Name/Company) DWW/ESE, WTV/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12¼ in. 0 ft. to 19 ft.; 7⅞ in. 19 ft. to 63 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS 20 GPM
Screen Interval 44.96 ft. to 60.5 ft.; ___ ft. to ___ ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.50 ft.
Measured Well Depth TOC (Initial) ~~62.69~~ ft. 62.49 (Final) 62.50 ft.
Bottom of Screen (Below G.L.) 60.5 ft.
Water Level TOC/Date/Time (Initial) 39.04 / 10-29-87 / 0820
(after 24 hrs.) 39.01 / 11-2-87 / 1310
Feet of Water in Well 23.65 ft. x 0.653 gallons/foot = 15.44 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 62.9 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 314.5 gallons
Added Water 30 gallons
Total Purge Volume 410 gallons
Casing/Anulus Volume 15.44 gallons
Volume Measured By 55 gallon Drum
Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: Beckman ϕ 21 SN: 95582
pH 7.00 = 7.02 at 19.2 °C, pH 10.00 = 10.08 at 19.1 °C
Conductance Meter Used: YSI MODEL 32 ESE #2
Standard 1417 umhos/cm at 25° Reading 1412 umhos/cm at 21 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 5 GAL.	0842	15.0	9.29	373	muddy w/ brown silt & fine sand.
65 GAL.	0859	14.2	7.79	884	very cloudy w/ brown silt & some fine sand
130 GAL.	0910	13.5	7.34	894	cloudy w/ brown silt, some fine sand
195 GAL.	0918	13.3	7.47	917	cloudy w/ brown silt & some fine sand.
260 GAL	0924	13.5	7.28	952	cloudy w/ brown silt, fine sand
Final 325 GAL.	0930	13.6	7.11	959	cloudy w/ brown silt & fine sand

Remarks: [illegible] (TOC) = 0 ppm

Sandpack = Bot of Screen = 60.50
− Top of Sand = 40.0
20.50 ft.

Collected by [signature] 10/29/87
Signature

Checked by
Signature

C-190

Sandpack vol = 20 ft x .852 gal/ft = 17.46 gal.
* 1 Purge vol = 15.44 Casing vol. + 17.46 Sand pack vol.

WELL DEVELOPMENT DATA

Bore EP-66 DL Well 03012

Project RMA ON-POST
Date(s) Developed 10/29/87
Personnel (Name/Company) DLW / ESE
WTT / ESE
Rig Used ESE WELL SERVICE TANK
Pump (Type/Capacity) GRUNDFOS / 26 GPM
Bailer (Type/Capacity) N/A
Water Source RMA
Measured Well Depth TOC (Initial) 62.49 ft.
(Final) 62.50 ft.

Project Number TASK 44
Date Installed 10/16/87
Well Diameter (I.D.) 4 in.
Anulus Diameter 12¼ in. 0 ft. to 14 ft.
7⅞ in. 14 ft. to 63 ft.
Screen Interval 44.96 ft. to 60.5 ft.
___ ft. to ___ ft.
Casing Height (Above G.L.) 1.50 ft.
Bottom of Screen (Below G.L.) 60.5 ft.

Water Level TOC/Date/Time (Initial) 39.04 / 10-29-87 / 0820
(after 24 hrs.) 39.01 / 11-02-87 / 1310

Feet of Water in Well 23.65 ft. x .0653 gallons/foot = 15.44 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
Purge Water Lost N/A gallons
Added Water 30 gallons
Casing/Anulus Volume 15.44 gallons

* One Purge Volume 62.9 gallons
Minimum Purge Volume 314.5 gallons
Total Purge Volume 440 gallons
Volume Measured By 55 GAL. DRUM
Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ 21 SN: 015883
pH 7.00 = 7.02 at 14.1 °C, pH 10.00 = 10.07 at 14.1 °C
Conductance Meter Used: YSI MODEL 33 ESE #2
Standard 1413 umhos/cm at 25°, Reading 1412 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 390	0935	13.4	7.22	970	partly cloudy w/ some brown fine sand/silt
440	0941	13.7	7.31	971	partly cloudy w/ some brown fine fine sand
Final					DLW

Remarks: Recalibrated pH meter @ 400 gallons - hit slope button instead of pH button.

* 1 Purge vol. = 15.44 casing vol.
+ 17.46 sandpack vol
+ 30.0 added water
62.9 ≈ 63 gallons

Collected by [signature] 10/29/87
Signature Date
Checked by [signature]
Signature

EP-67

BOREHOLE SUMMARY LOG

Borehole EP 67 A Well 35087

Project Name and Location RMA T44 Well Installation Project Number 105305110

Drilling Company Boyles Driller R. Muckey Rig Number

Drilling Method(s) 3¼" ID HS Auger

Size(s) and type(s) of bit(s) 3¼" ID HS Bit

Borehole Diameter 6 in. ___ cm. ___ ft. 0 cm. to 36.5 ft. ___ cm.

___ in. ___ cm. ___ ft. ___ cm. to ___ ft. ___ cm.

Sampling Methods Polybutyrate tubes in continuous samples

Total Number Soil Sampling Tubes 16

Total Number Core Boxes 2

Number of Gallons Lost Drilling Fluid None

Date/Time Started Drilling 11-11-87 / 1323

Date/Time Completed Drilling 11-11-87 / 1517

Total Borehold Depth 36.5 ft. ___ cm.

Depth to Bedrock 36.5 ft. ___ cm.

Depth to Water 32.5 ft. ___ cm.

Water Level Determined By? Steel tape

Borehole Completed as Monitoring Well? ✓

Date/Time Grouting Completed 11-11-87 / 1602

Depth of Tremmie Pipe 16'

Gallons of Grout 24 gal

Materials Used 7 bags concrete ¼ bag bentonite

Comments

Wellsite Geologist J. Wilk... Date 11-...

Checked for Grout Settlement on 11-12-87 by ...

Amount of Grout Added ...

All Measurements from Ground Level

Reviewed by ... Date 3/12/88

Drill Site Geologist

C-193

ESE 7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

BOREHOLE SUMMARY LOG

Borehole EP-67 Well

Project Name and Location RMA Project Number

Drilling Company Boyle Bros Driller Bob Roach Rig Number Failing 1500

Drilling Method(s) rotary core

Size(s) and type(s) of bit(s)

Borehole Diameter 7 7/8 in. cm. 0.0 ft. cm. to 35.0 ft. cm.

3 3/4 in. cm. 35.0 ft. cm. to 181.0 ft. cm.

Sampling Methods continuous core

Total Number Soil Sampling Tubes —

Total Number Core Boxes 10

Number of Gallons Lost Drilling Fluid

Date/Time Started Drilling 10/15/87 1256

Date/Time Completed Drilling 10/20/87 0947

Total Borehold Depth 181.0 ft. cm.

Depth to Bedrock 33.0 ft. cm.

Depth to Water — ft. cm.

Water Level Determined By? —

Borehole Completed as Monitoring Well? no

Date/Time Grouting Completed 10/20/87 1340

Depth of Tremmie Pipe 180.0'

Gallons of Grout 174

Materials Used 17 bags of cement, 120 gal H_2O, 1.2 bags of bentonite

Comments grouted to ground surface

Wellsite Geologist [illegible] Date [illegible]

Checked for Grout Settlement on 10/2[illegible] by [illegible]

Amount of Grout Added 10 gal to surface

All Measurements from Ground Level

Reviewed by Peter R. Guest Date 5/16/88

Drill Site Geologist [illegible] Date [illegible]

C-194

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC

SHEET 1 OF 3

Borehole: EF-67 A Well Number:

Depth-feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description Munsell Colors
0	0-2	2'		0-2		ML, sandy silt, ~5% sand vfg 10YR 4/2 dk grayish brown loose, non-plastic, dry, Alluvium trace calcium carb
2	2-4'	1'		2-3'		No RECOVERY 3-6'
4	4-6	0'				
6	6-8.3	2'		6-8.3		ML, sandy silt, ~10% sd, 10YR 5/4 yellowish brown medium dense, non-plastic, dry, Alluvium w/ ~15% calcium carbonate 10YR 8/2 white
8	8.3-10	0'				No Recovery 8.3 to 10'
10	10-12	2'		10-12		SM, silty sand ~45% silt, 10YR 4/3 brown dk brown, medium dense, non-plastic, dry Alluvium
12						

C-195

BEST AVAILABLE COPY

Drill Site Geologist: [illegible] Date: [illegible]

Reviewed By: [illegible] Date: [illegible]

ENGLEWOOD, COLORADO 80112 303/741-0438

Borehole: EP 67A Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description Munsell Color
12	12-14	2'		12-14		SM, silty sand, ~ 45% silt 10YR 4/4 dk. yellowish brown med. dense, non-plastic, moist, Alluvium
14	14-16			14-16		@ 14.3' ML, sandy silt ~ 10% sand 10YR 5/4 ~~yello~~ yellowish brown, med. dense, non-plastic moist. Alluvium w/ ~ 10% calcium carbonate 10YR 8/2 white.
16	16-18	0'				NO RECOVERY 16-18'
18	18-20	2'		18-20		@ 18' same as @ 16'
20	20-22	0'				NO RECOVERY 20 - 26 Augers plugged Cuttings silty sand
22	22-24	0'				cuttings silty clay

C-196

Drill Site Geologist: [illegible] Date: 11 11 [illegible]

Reviewed By: [illegible signature] Date: 11/15/[illegible]

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC. 7332 SOUTH ALTON WAY • SUITE H•I ENGLEWOOD, COLORADO 80112 • 303/741-0830

SHEET 3 OF 3

Borehole: EP 67 C Well Number:

Depth-Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description Munsell Colors
24	24-26	0'				cuttings silty clay
26	26-28	0'				No Recovery 26-28 Clay ends @ 26' loose fine grained sand fell out of sampler
28	28-30	1'		28-29		@28 ~~SP~~ Fine grained Sand. w/ 3/gravel sized pieces. 10YR 4/3 brown, loose, non-plastic, moist Alluvium. @28.6' ~~ML~~ silty clay, 10YR 5/3 brown, med. dense, slightly p moist Alluvium NO RECOVERY ~~30 thru~~ 29' - 36.4' Clayey gravel cuttings
30	30-32	0'				
32	32-34	0'				@32.5 saturated gravelly sand
34	34-36.5	0.1'		36.4-36.5		
36						@36.4 weathered oxidized [illegible] siltstone END OF BORING LOG

C-197

Drill Site Geologist: J. Wilkes Date: 11 11 87

Reviewed By: [illegible]

ESE, Inc. CORE LOG By SP Date 10/21/87 BORE EP-67 Well(s) ______ Page 1 of 8

Box no.	Depth	Structure/Bedding Desc	Mineralogy	Color	Lith. Char.	Lith. Class	Description/Comments (Scale 1" = 2 ft)
							PVC set to 36'. Bedrock at ≈33'. Begin coring at 31'. No recovery 31' to 42'
	42	massive	FeCa stains	5Y 6/1 medium gray		CS 42.5'	Claystone
	43–45	irregular bedding; wick [illegible]		10YR 7/4 grayish orange	25% SAND; 3' of claystone chunks	St 45.5'	Siltstone
	46–48	massive	50% quartz 10% feldspar	10YR 5/4 mod yellowish brown		SS	SANDSTONE, medium grained, unconsolidated, friable. occasional claystone fragments.
1	49–51		iron stains; FeCa chemical fractures	5YR 3/2 grayish brown		49.0' CS	Claystone, finely interbedded with lignite
	52–54	irregular bedding; thinly laminated	FeCa stains	N 7/0 light gray with 10YR 6/6 dark yellowish orange	20% SAND 15% CLAY	51.5' St	Siltstone interbedded with claystone and sandstone
	55–58					55' SS	No core recovery from 55 to 65'–66.5. cuttings indicated unconsolidated sandstone

CORE EP-67 WELL(S)

E, Inc.

ESE, Inc. CORE LOG By SP Date 10/21/84 BORE EP-67 Well(s) ______ Page 2 of _

Box No.	Depth	Rec. (in)	Weath. U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min	Mineralogy Habit	Color M ©	Texture/Grain Size clay sd gr mm .01 10 100	Lith Char	Lith. Class Ft	Description/Comments CM (Scale 1": 2 ft)
	60													SS	No Core recovered from 60' SS to 66.5
	62														
	64														
	66													66.5'	
					highly fractured 10/.5'				Calcite yellow fractures		5Y 5/2 lt Olive Gray			CS	Claystone
	68			40°	slick.						N5/0 Dark gray				67.5 Oxidation boundary
2															
	70													70.7'	
					Massive				50% cln mega.		N4/0 Med dark gray			SS	SANDSTONE, medium grained to v coarse grained, massive
	72				thinly banded				20% claystone clasts. 25% quartz						
									50% claystone clasts						20% small gravel size claystone clasts
	74				massive						N3/0 Dark gray			74.2' CS	Claystone
	76			70°	slk. conc.										
	78														

C-199

E, Inc. __ RE EP-67 WELL(S) ______

Box No.	Depth	Structure/Bedding Desc.	Mineralogy Min	Color	Lith. Char.	Lith. Class Ft	Description/Comments (Scale 1" = 2 ft)
	80					CS	Claystone
2	81–82.7	massive; Indistinctly banded	60% Claystone clasts, 30% Quartz, 10% ...	N3/0 Dark gray	60% claystone clasts	81'	SANDSTONE, very coarse grained, moder. well cement
	82						
	84		5% cbn frags, Py crystals	N4/0 med. dark gray	30% silt	82.7' CS	Claystone, silty, ~~clayey~~ SP
	86						
3	86.2'–90	finely bedded; dislocated beds			20% silt	86.2' SS	SANDSTONE, v. silty, SP fine grained, well cemented interbedded with siltstone
	88						
	90	massive		N2/0 grayish black		90' CS	Claystone
						91 Lignite	Lignite
				N3/0 medium gray		SS	SANDSTONE
	92		3% cbn frag	N7/0 Dark gray		CS	Claystone
	94						
A	94.7			N7/0 Light gray	10% fine sand	94.7 St	Siltstone
	96						
	98	v. finely bedded					

BORE EP-67 WELL(S)

ESE, Inc.

ESE, Inc. CORE LOG By 10/21/87 Date 10/21/87 BORE EP 67 Well(s) ______ Page 4 of 0

Box No.	Depth	Structure/Bedding Desc.	Mineralogy	Color	Lith. Char	Lith. Class	Description/Comments (Scale 1" = 2 ft)
4	100	v. finely bedded		N 6/0 med lt gray		St	Siltstone
	102.5		10% Quartz 10% hornblende	N 7/0 light gray	30% silt	SS	Sandstone, fine grained, mod well cemented to sl. friable
5	107	massive					
	108	finely bedded					
	110	thickly banded		N 4/0 med dark gray	60% claystone clasts; 50% claystone clasts		grain size increase to v. coarse grained
	113	20°			60% claystone clasts		predominantly claystone clasts
	114				80% claystone clasts		
	115	finely bedded to fissile		N 1/0 black	lignite lenses	CS	Claystone with thin lignite lenses to 117'
	117	massive	10% Cbn Fig	N 3/0 Dark gray	20% sand		Sandy claystone
6	119				20% sand		

E. EP-67 WELL(S)

E, Inc.

C-201

ESE, Inc. CORE LOG By SY Date 10/21/87 BORE EP-61 Well(s) Page 5 of 8

Depth	Structure/Bedding Desc.	Mineralogy Min.	Color	Lith. Char.	Lith. Class	Description/Comments (Scale 1" = 2 ft)
120	irregular bedded w/sand fillings; massive	15% clm gray	N3/0 Dark gray	30% sand; 25% silt; 40% sand; 25% silt	CS	Claystone, v. sandy
122						
124						
126						
128	finely bedded to thinly banded		N7/0 light gray	127.8	127.8 SZ	Siltstone
130	massive	80% Quartz 20% Hornblende	N5/0 Medium gray		130.0 SS	SANDSTONE, medium grained, hard, well cemented to sl. friable
132						
134						
136						
138	finely bedded		N2/0 greenish black	138.5	CS	Claystone

Box 6; Box 7

C-202

BORE EP-67 WELL(S)

SE, Inc.

ESE, Inc. CORE LOG By SP Date 10/22/87 BORE EP-67 Well(s) ______

Box No.	Depth	Structure/Bedding Desc.	Mineralogy	Color	Lith. Char	Lith. Class	Description/Comments (Scale 1": 2 ft)
7	140–142	massive		N3/0 Dark gray		CS	Claystone
	142–142.4	[illegible]		5Y 2/1 [illegible]		142 Lg	Lignite
	142.4–143.0	Massive		N5/0 med gray		CS 143.0'	Claystone, v. silty, [illegible]
	143.0–144.0				10% clay	St 144.0'	Siltstone
	144.0–150	irregular bedded with coarse sand fillings	3% Cbn frag		20% silt	SS	Sandstone, fine grained, silty, well cemented
8	150–152	faint v fine bedding			35% clay	150' St	Siltstone, very clayey
9	152–158	v. fine bedding to laminated; folded v. thinly laminated	50% Qtz, 10% hornblende; CaCO3; Clay	N 4/0 Med dark gray	30%	152' SS	Sandstone, fine grained moderately well cemented to sl. friable. v finely bedded in the siltstone

Depth marks: 140, 142, 144, 146, 148, 150, 152, 154, 156, 158

ESE, Inc. BORE EP-67 WELL(S)

Box no.	Depth	Rec. Int.	Weath. U S	Structure / Bedding Angle	Structure / Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min.	Mineralogy Habit	Color M G	Texture / Grain Size clay sd gr (mm) .01 1.0 100	Lith. Char.	Lith. Class Ft	Description / Comments CM (Scale 1" = 2 ft)
	160								90% Quartz 10% [illegible]		N4/0 Med dark gray			SS	SANDSTONE, fine grained
	162														
					massive sands w/claystone clast.								35% claystone clasts		granosize increases to coarse grained, claystone clasts up to 1", generally elongated or plate shaped, no alignment.
	164														
	166												10% claystone clasts		
					v. [illegible]				$CaCO_3$						
9					massive										
	168														
	170														
	172														
	174														
					massive						N3/0 Dark gray			175.0 CS	Claystone
	176														
10															
	178								90% con						

C-204

ESE, Inc. CORE LOG By [illegible] Date [illegible] BORE EP-67 Well(s) ______ Page 8 of 8

Box No.	Depth	Rec. Int	Weath. (U S)	Structure/Bedding: Angle	Structure/Bedding: Desc	Hardness (S H)	Perm. 1° (L H)	Perm. 2° (L H)	Mineralogy: Min	Mineralogy: Habit	Color (M G)	Texture/Grain Size (clst sd gr; mm .01 1.0 100)	Lith. Char	Lith. Class Ft	Description/Comments CM (Scale 1": 2 ft)
10	181				Massive						N 3/0 Dark gray			CS	Claystone

Total Depth 181'

ESE, Inc. BORE EP-67 WELL(S)

C-205

Company	ESE	Driller Depth	181 FT
Hole Name	EP-67	Bit Size	3 7/8"
Area/Project	RMA	Casing Depth	36 FT
County	ADAMS COUNTY	Fluid in Hole	native mud
State	COLORADO	Density / Viscosity / Rm	
Section / Township / Range / Elevation		Drilling Measured From	Ground Level
Log Measured From	Ground Level	Location	Lakewood, CO
Time On	1015	Time Off	1056
Unit No.	110	Operator	Wm. Linton

EQUIPMENT DATA

T.D. Logged	180 FT
Natural Gamma (CPS per Inch)	200 Scale = 20
Time Constant (Sec)	2
Logging Speed (ft/min)	15
Calib. Source Net Value (CPS)	
Probe No.	103-1421
Probe Diameter	1 5/8"
Detector Type, Size	xtal 3/4 x 1"
K Factor	2.38 x 10^-5
Dead Time (Microsec)	7
Water Factor	1.10
for hole dia.	3 7/8"
Casing Factor / for wall thk.	
Resistance (Ohms per 5 Inches)	
S.P. (MV per Inch)	

NATURAL GAMMA REPEATS (ANALOG) (Initial log all scales)

Scale	CPS/in	T.C. Sec	Logging Speed ft/min	From ft	To ft	Total ft

Gamma (Analog) ft		Density Source No.	
Gamma (Digital) ft		Type	
Caliper ft		CPS/inch	
Temperature ft			

DIRECTIONAL DATA

Closure ft		Neutron Source No.	
Azimuth ft		Type / Strength	
True Vertical ft	Survey Depth ft	CPS/inch	

NATURAL GAMMA

20 CPS

Initial Log

S.P.

- 10 MV +

RESISTANCE

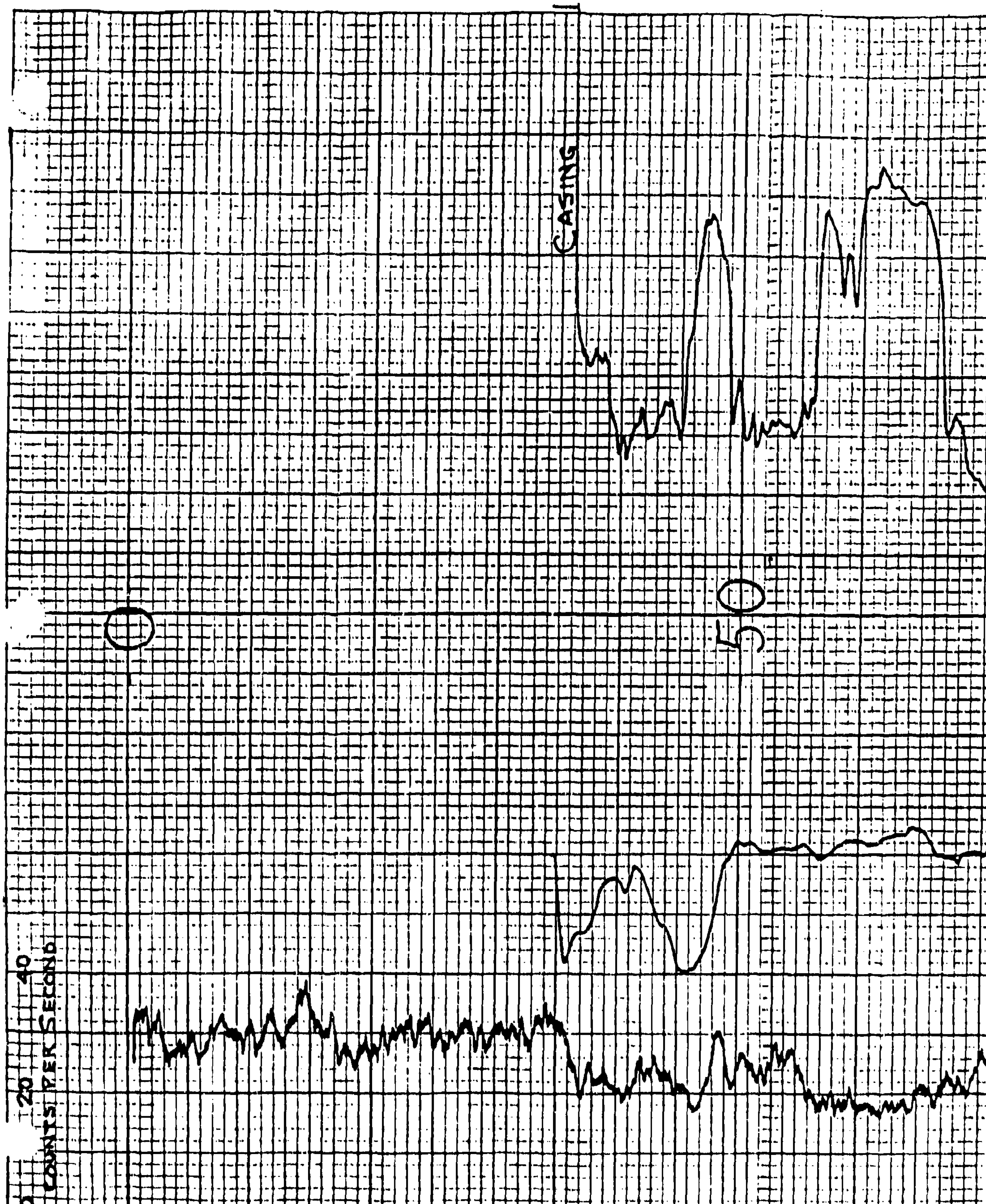
100 OHMS/5 Inches

0 20 40

COUNTS PER SECOND

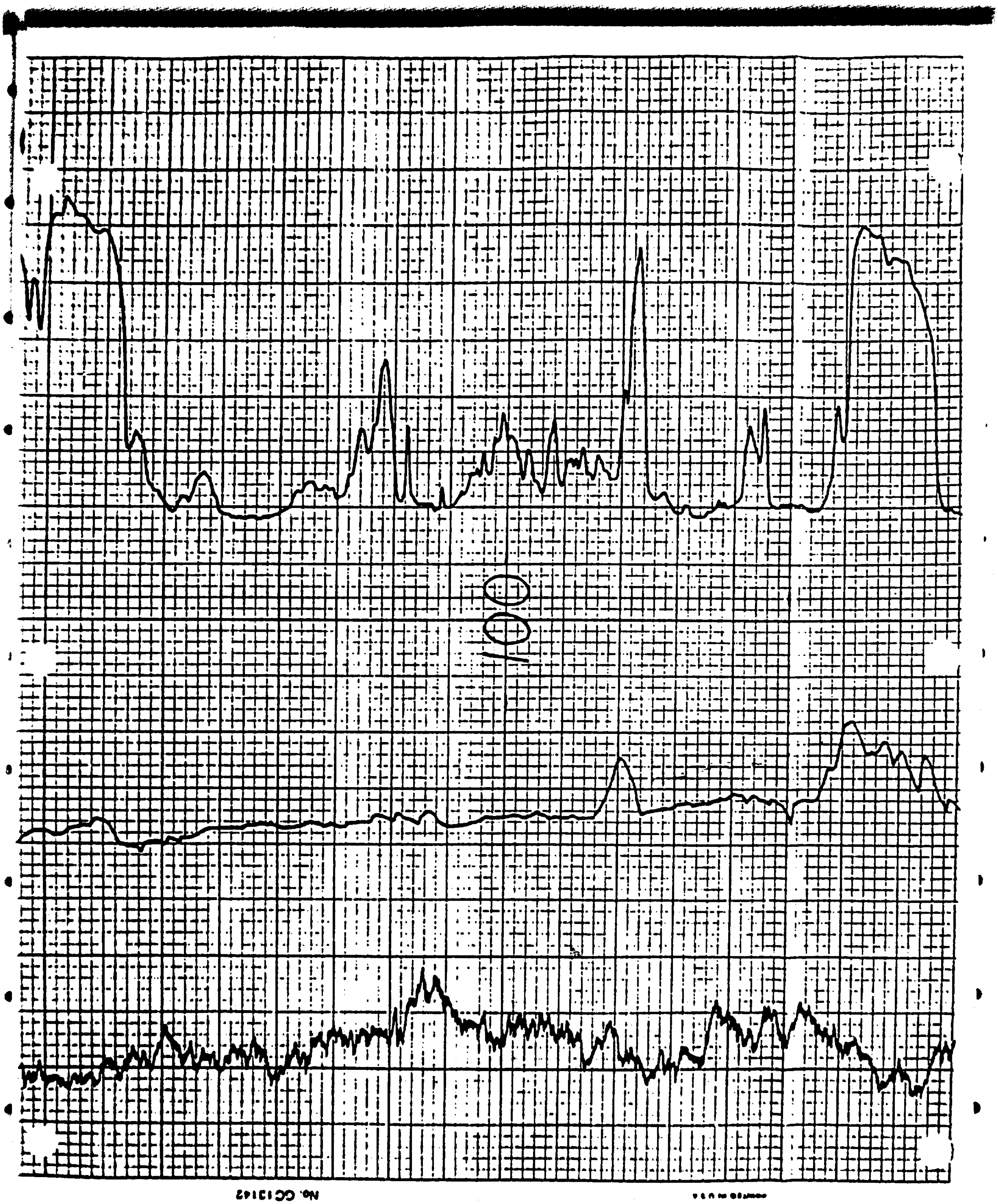
C-206

BEST AVAILABLE COPY



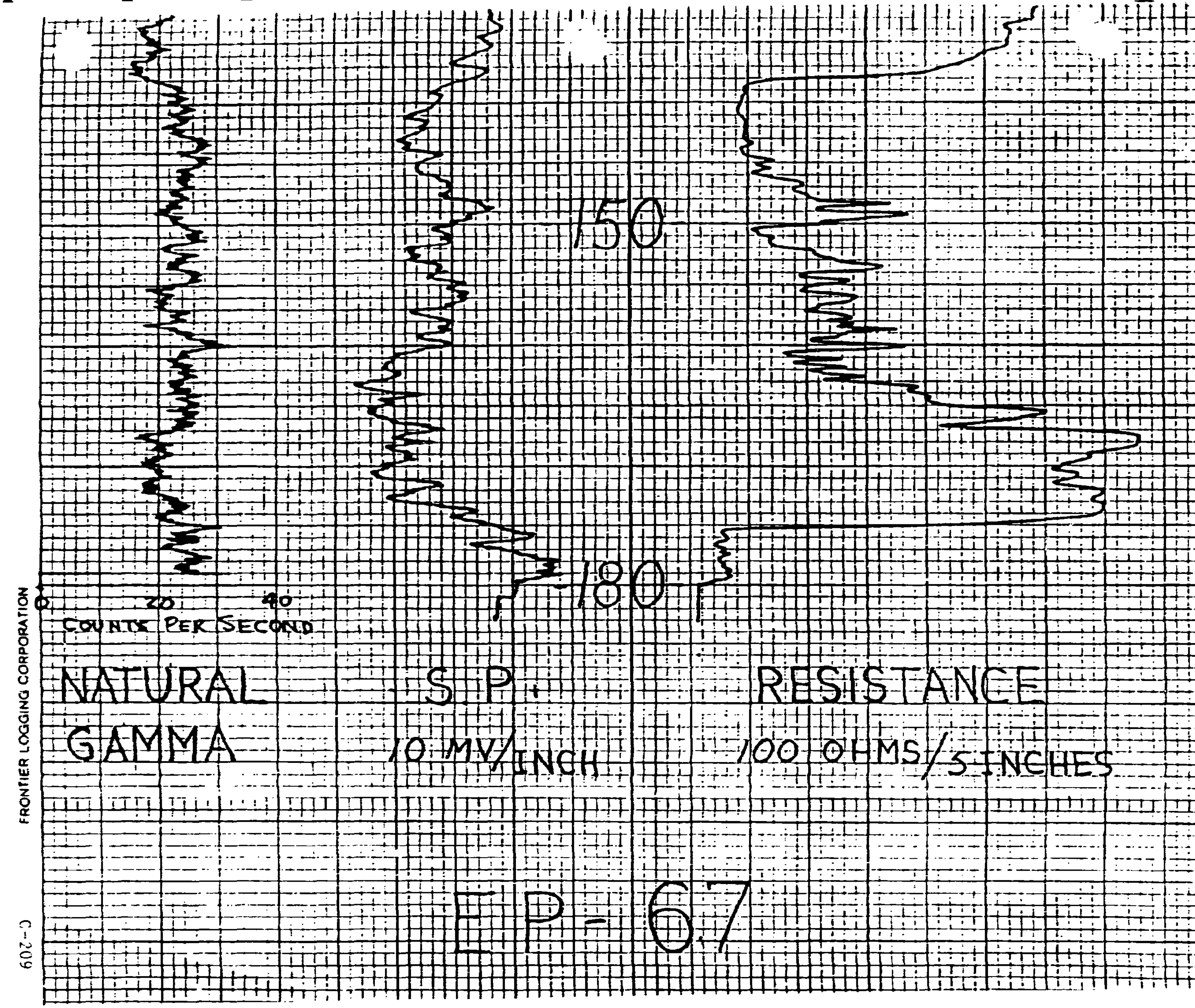
FRONTIER LOGGING CORPORATION

C-207



C-208

BEST AVAILABLE COPY


150
180
0
20
40
COUNTS PER SECOND
NATURAL
GAMMA
S.P.
10 MV/INCH
RESISTANCE
100 OHMS/5 INCHES
EP-67
FRONTIER LOGGING CORPORATION
C-209

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0630

WELL CONSTRUCTION SUMMARY

Borehole EP-67 Alluvial Well 35087
Project Name and Location RMA Monitor well Inst. T44 Project Number T19
Drilling Company Boyles Bros. Driller Don Irvine Rig Number IR
Drilling Method(s) 12¼" OD HS Augers

Borehole Diameter 12¼ in. ___ cm. 0 ft. ___ cm. to 38.1 ft. ___ cm.
___ in. ___ cm. ___ ft. ___ cm. to ___ ft. ___ cm.

Size(s) and types of Bit(s) 7⅞" Center Bit

Size and Type PVC 4" Sch. 40 pvc
Total Borehole Depth 38.1 ft. ___ cm.
Depth to Bedrock 34.5 ft. ___ cm.
Depth to Water 34.1 ft. ? in Augers ___ cm.
Water Level Determined By visual taping
Length Plain PVC (total) 28.87 ft. ___ cm.
Length of Screen 10.95 ft. ___ cm.
Total Length of Well Casing 39.82 ft. ___ cm.
PVC Stick Up 1.7 ft. ___ cm.
Depth to Bottom of Screen 38.1 ft. ___ cm.
Depth to Top of Screen 27.15 ft. ___ cm.
Depth to Top of Sand 21.8 ft. ___ cm.
Depth to Top of Bentonite 17.6 ft. ___ cm.

Sampling Method(s) Not sampled - cutting Analysis e2.9
Date/Time Start Drilling 11-24-87 / 1040
Date/Time Finish Drilling 11-24-87 / 1353
Date/Time Start Completion 11-24-87 / 1353
Date/Time Cement Protective Casing 11-25-87 / 1034
Materials Used
Plain PVC 28.87
Slotted PVC 10.95 ft.
Bentonite Pellets 5 (5gal buckets) 250#
Bentonite Granular 4⅔ bags (334)
Cement 7 bags (656#)
Sand 9 bags (900#) 10-20
Water added during completion 10 gals
Water added during drilling None
Total Gallons of water added 10 gal

Drill Site Geologist Jon K. Weller Date 11-24-87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 2/25/88 0900 SS RW
Date/Time/Personnel Casing Painted 2/25/88 0930 SS RW
Date/Time/Personnel Numbers Painted 3/8/88 1530 RW ER
Materials Used 12 bags of Sakrete
Top of Protective Casing to Top of PVC 0.31 ft. ___ cm.
Top of Protective Casing to Weep Hole 1.30 ft. ___ cm.
Top of Protective Casing to Internal Mortar 1.66 ft. ___ cm.
Top of Protective Casing to Top of Cement Pad 1.63 ft. ___ cm.
Top of Protective Casing to Ground Level 1.85 ft. ___ cm.

COMMENT/NOTES

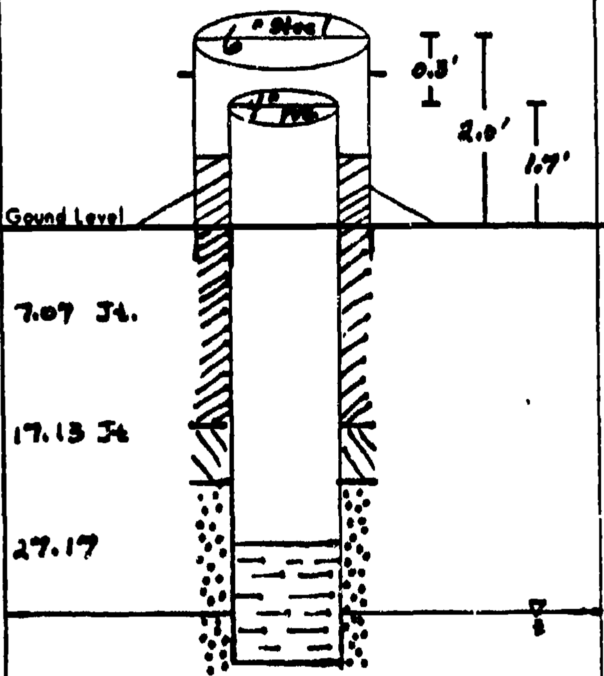
Reviewed By Steve Parr Date 3/12/88
Drill Site Geologist

C-210

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

Borehole: EP-67 Alluvial

Well: 35087

Depth-Feet	Soil/Rock Type	Well Completion	Description
5 10 20 30 40			4" ID Sch 40 PVC : 1.70' Above ground to 38.1' Below ground Top of Bentonite : 17.6' Top of Sand : 21.8' Top of screen : 27.15' Water : 34.1' Bedrock : 34.5' Bottom of Screen : 38.1 TD : 38.1

Drill Site Geologist : G. Wilken Date: 11-24-87

Reviewed By: [signature] Date: 2/5/88

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EPG7A Well 26-35087

Project RMA ONPOST TASK 44 Project Number 86956

Date(s) Developed 02/12/88 Date Installed 11/24/87

Personnel (Name/Company) WEST/PULLMAN/ESE Well Diameter (I.D.) 4" PVC in.

Anulus Diameter 12¼" in. 2 ft. to 38 ft. ___ in. ___ ft. to ___ ft.

Rig Used ESE WELLSERVICE TRUCK

Pump (Type/Capacity) GRUNDFOS @ ___ /7 GPM Screen Interval 28.5 ft. to 38.1 ft.

Bailer (Type/Capacity) N/A Geotech/bladder pump ___ ft. to ___ ft.

Water Source RMA Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 39.80 ft. Bottom of Screen (Below G.L.) 38.1 ft.

(Final) 39.80 ft.

Water Level TOC/Date/Time (Initial) 33.45 / 2-12-88 / 0900

(after 24 hrs.) 33.45 / 3-10-88 / 0136

Feet of Water in Well 6.05 ft. x 2.32 gallons/foot = 14.0 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons * One Purge Volume 25 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 125 gallons

Added Water 10 gallons Total Purge Volume 34 gallons

Casing/Anulus Volume 14 gallons Volume Measured By 55 GALLON BARREL

Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN Ø 21 SN: 015877

pH 7.00 = 7.04 at 12.9 °C. pH 10.00 = 10.14 at 13.0 °C

Conductance Meter Used: YSI MODEL 33 SN: 2603

Standard 1413 umhos/cm at 25°. Reading 1416 umhos/cm at ___ °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 3 gals	9:34	13.2	7.10	1221	VISCOUS OPAQUE W/SUSPENDED SILT, SAND
5 gals	10:32	13.7	7.46	1185	SAME
Dewatered in 5 gallons – recharge is less than ⅛ gpm!					
Final					DW

Remarks: IRIDESCENT FILM ON WATER IN BARREL
Pump on @ 0928 0930/0935 Pump dry – switch to 7 gpm Grundfos – check for recharge.
1000: 7 GPM Grundfos on – no water available w/this pump either. 1015 Switched to Geotech bladder pump.

* 1 Purge vol: 14 gallons (casing + annulus)
+ 10 gallons (added H_2O)
24 ≈ 25 gallons

Collected by [signature] 2/12/88
Signature

Checked by [signature]
Signature

C-212

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore [illegible] Well 35057

Project RMA
Date(s) Developed 02/19/88
Personnel (Name/Company) ~~[illegible]~~ Kevin Pearson, Ray Rosales
Rig Used ESE wellservice truck
Pump (Type/Capacity) ~~Grundfos~~ N/A
Bailer (Type/Capacity) ~~N/A~~ 3.5" x 2.0'
Water Source RMA
Measured Well Depth TOC (Initial) 39.80 ft. (Final) 35.80 ft.

Project Number 56756
Date Installed 11/24/87
Well Diameter (I.D.) 4" PVC in.
Anulus Diameter 12¼" in. 0 ft. to 35.1 ft.
___ in. ___ ft. to ___ ft.
Screen Interval 27.5 ft. to 38.1 ft.
___ ft. to ___ ft.
Casing Height (Above G.L.) 1.7 ft.
Bottom of Screen (Below G.L.) 35.1 ft.

Water Level TOC/Date/Time (Initial) 33.47 / 2-19-88 / 12:31 / RR (33.45 / 2-12-88 / 0900)
(after 24 hrs.) 33.46 / 3-10-88 / 0936

Feet of Water in Well 2.35 ft. x 2.32 gallons/foot = 4.9 gallons casing/anulus volumes
Drilling Fluid Lost NA gallons
Purge Water Lost NA gallons
Added Water 10 gallons
Casing/Anulus Volume 14.7 gallons

* One Purge Volume 25 gallons
Minimum Purge Volume 125 gallons
Total Purge Volume 34 gallons
Volume Measured By 5 gal bucket
Surge Technique bailer

Calibration: pH Meter Used: SN # 316344 Beckman #21
pH 7.00 = 7.07 at 07.0 °C, pH 10.00 = 10.20 at 08.3 °C
Conductance Meter Used: SN # 14243 CIUS Digital
Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial ~~RR~~ 5 gal.	12:54	12.0°	7.73	1195	SILTY, BROWN
12 gal.	13:03	11.5°	7.81	1236	SAME
Final					RR

Remarks: DEWATERED AFTER 7 GAL.

* 1 Purge vol. : 14 gal casing + annulus
\+ 10 gal added H_2O
24 gal [illegible]

Collected by [signature] 2-19-88
Signature

Checked by [signature]
Signature

C-21

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-67A Well 35087

Project RMA on-post
Project Number Task 44
Date(s) Developed 3/4/87
Date Installed 11/24/87
Personnel (Name/Company) DLW / ESE; RR / ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12 1/4 in. 0 ft. to 38.1 ft.
___ in. ___ ft. to ___ ft.
Rig Used ESE well service truck
Pump (Type/Capacity) N/A
Screen Interval 27.15 ft. to 38.1 ft.
___ ft. to ___ ft.
Bailer (Type/Capacity) 3.85" x 2.0'
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 39.80 ft. (Final) 39.80 ft.
Bottom of Screen (Below G.L.) 38.1 ft.
Water Level TOC/Date/Time (Initial) 33.45 / 2-12-87 / 0800
(after 24 hrs.) 33.45 / 3-10-87 / 0936
Feet of Water in Well 6.05 ft. x 2.32 gallons/foot = 14.0 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
* One Purge Volume 25 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 125 gallons
Added Water 10 gallons
Total Purge Volume 34 gallons
Casing/Anulus Volume 14 gallons
Volume Measured By 5 gallon bucket
Surge Technique Bailing

Calibration: pH Meter Used: Orion
pH 7.00 = 7.00 at 10.0 °C, pH 10.00 = 10.00 at 10.5 °C
Conductance Meter Used: ESE Model 32
Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 12	1444	11.2	7.61	1202	cloudy w/ orange-brown silt
15	1447	11.3	7.57	116[illegible]	cloudy w/ orange brown silt
20	1501	11.0	7.70	1220	cloudy w/ orange-brown silt
Final					DW

Remarks: Water level: 35.48 Dewatered in 8 gallons

* : Purge vol. 14 gal. casing + annulus + 10 gal. added H2O; 24 gal ≈ 25 gal

Collected by [signature] 3/4/87
Signature

Checked by [signature]
Signature

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP-127A Well 35087

Project RMA Offpost
Project Number [illegible]
Date(s) Developed 2/3/87
Date Installed 11/24/87
Personnel (Name/Company) [illegible] RR/ESC [illegible]/ESC
Well Diameter (I.D.) 4 in.
Anulus Diameter 12 in. 0 ft. to 38.1 ft.
in. ft. to ft.
Rig Used ESE Well Service Truck
Pump (Type/Capacity) N/A
Screen Interval 27.15 ft. to 38.1 ft.
ft. to ft.
Bailer (Type/Capacity) 3.85" x 2.0'
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 39.80 ft.
(Final) 39.80 ft.
Bottom of Screen (Below G.L.) 38.1 ft.
Water Level TOC/Date/Time (Initial) 33.45 12-12-87 0900
(after 24 hrs.) 33.45 / 3-10-88 / 0936
Feet of Water in Well 6.05 ft. x .65 gallons/foot = 14.0 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
* One Purge Volume 25 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 125 gallons
Added Water 10 gallons
Total Purge Volume 34 gallons
Casing/Anulus Volume 14 gallons
Volume Measured By 55 gallon barrel/[illegible]
Surge Technique Bailing

Calibration: pH Meter Used: Beckman [illegible] SN [illegible]
pH 7.00 = 7.08 at 6.4 °C, pH 10.00 = 10.23 at 6.1 °C
Conductance Meter Used: YSI Model 32 SN [illegible]
Standard 1413 umhos/cm at 25°, Reading 1415 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 20	1503	9.3	7.78	1155	cloudy w/ orange-brown silt
23	1505	10.5	7.64	1171	cloudy w/ orange-brown silt
26	1507	10.5	7.64	1181	cloudy w/ orange-brown silt
27	1510	9.7	7.65	1200	cloudy w/ orange brown silt
Final					

Remarks: Water level - 33.52 Dewatered in 7 gallons

* [illegible] 14 gal casing + annulus
+ 13 gal added H_2O
27 → 25 gallons

Collected by [signature] 3/7/88
Signature

Checked by [signature]
Signature

C-215

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-67A Well 35087

Project RMA On-Post
Project Number TASK 44
Date(s) Developed 3-8-88
Date Installed 11/24/87
Personnel (Name/Company) RR/ESE BW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12½ in. 0 ft. to 38.1 ft.
in. ft. to ft.
Rig Used ESE Well Service truck
Pump (Type/Capacity) N/A
Screen Interval 27.15 ft. to 38.1 ft.
Bailer (Type/Capacity) 3.25" x 2.0"
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 39.80 ft.
Bottom of Screen (Below G.L.) 38.1 ft.
(Final) 39.80 ft.
Water Level TOC/Date/Time (Initial) 33.45 / 2-12-88 / 0900 / BW
(after 24 hrs.) 33.45 / 3-10-88 / 9:36 / RR
Feet of Water in Well 6.29 ft. x ~~.653~~ 2.32 gallons/foot = 14.6 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 25 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 125 gallons
Added Water 10 gallons
Total Purge Volume 34 gallons
Casing/Anulus Volume 14.6 gallons
Volume Measured By 55 Gallon Barrel / Gal bucket
Surge Technique Bailing

Calibration: pH Meter Used: Beckman ϕ 21 ~~21~~ pH Meter SN 016344
pH 7.00 = 7.05 at 12.0 °C. pH 10.00 = 10.14 at 12.9 °C
Conductance Meter Used: YSI Model 33 SN 2603
Standard 1413 umhos/cm at 25°. Reading 1416 umhos/cm at 11.5 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 27	1337	13.4	7.83	1193	Cloudy w/ orange-brown silt
30	1343	12.0	7.79	1194	Cloudy w/ orange brown silt
33	1347	11.9	7.76	1192	Cloudy w/ orange brown silt
Final 34	1351	12.1	7.71	1211	Cloudy w/ orange brown silt
Final					

Remarks: Water level = 33.51' / 1333 Dewatered ~7 gallons

39.80 Avg Vol. 14.6
33.51 10
6.29 24.6

Collected by Bob Winters 3-8-88
Signature

Checked by [illegible]
Signature

C-216

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0939

WELL CONSTRUCTION SUMMARY

Borehole EP67 D1 Well ~~Same~~ SP 35088

Project Name and Location Rocky Mtn Arsenal - Section 31 Project Number 44

Drilling Company Boyles Bros Driller Don Irvine Rig Number

Drilling Method(s) Hollow Stem Auger 0 - 38.6 ft
Rotary w/clean water 38.6 - 48.9'

Borehole Diameter 12" in. ___ cm. 0-38.6 ft. ___ cm. to ___ ft. ___ cm.
5 3/4" in. ___ cm. 38.6-48.9 ft. ___ cm. to ___ ft. ___ cm.

Size(s) and types of Bit(s) Auger: 12" O.D./7.7" I.D.
Rotary: 5 3/4"

Size and Type PVC 4" O.D. Sch 40

Total Borehole Depth 48.9 ft. ___ cm.

Depth to Bedrock ~36 ft. ___ cm.

Depth to Water ~34 ft. ___ cm.

Water Level Determined By when encountered during drill

Length Plain PVC (total) 44.96 ft. ___ cm.

Length of Screen 5.64 ft. ___ cm.

Total Length of Well Casing 50.6 ft. ___ cm.

PVC Stick Up 1.7 ft. ___ cm.

Depth to Bottom of Screen 48.9 ft. ___ cm.

Depth to Top of Screen 43.26 ft. ___ cm.

Depth to Top of Sand 40 ft. ___ cm.

Depth to Top of Bentonite 35 ft. ___ cm.

Sampling Method(s) N/A

Date/Time Start Drilling 12/1/87 0900

Date/Time Finish Drilling 12/1/87 1100 (surface casing) ~~12/2/87~~ 1130 (TD)

Date/Time Start Completion 12/2/87 1140

Date/Time Cement Protective Casing N/A

Materials Used —

Plain PVC ~~5~~ 4" 44.96 ft Sch 40

Slotted PVC 5.64 ft Sch 40 .010 slot

Bentonite Pellets 2 buckets (100 lbs)
1/2 bag surface casing

Bentonite Granular

Cement 10 bags surface casing
5 bags well casing

Sand 2 bags

Water added during ~~completion~~ grouting 150 gals surface casing 70 gals well casing

Water ~~added~~ circulated during drilling ~500 gals

Total Gallons of water added 0

Drill Site Geologist Keith S. [illegible] Date Dec. 3, 1987

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 2/25/88 0945 [illegible]

Date/Time/Personnel Casing Painted 2/25/88 [illegible] 1000 SS BW

Date/Time/Personnel Numbers Painted 3/8/88 1530 BW KR

Materials Used 12 bags whte

Top of Protective Casing to Top of PVC 0.64 ft. ___ cm.

Top of Protective Casing to Weep Hole 1.40 ft. ___ cm.

Top of Protective Casing to Internal Mortar 1.16 ft. ___ cm.

Top of Protective Casing to Top of Cement Pad 1.55 ft. ___ cm.

Top of Protective Casing to Ground Level 2 ft. ___ cm.

COMMENT/NOTES

Reviewed By [signature] Date 3/15/88

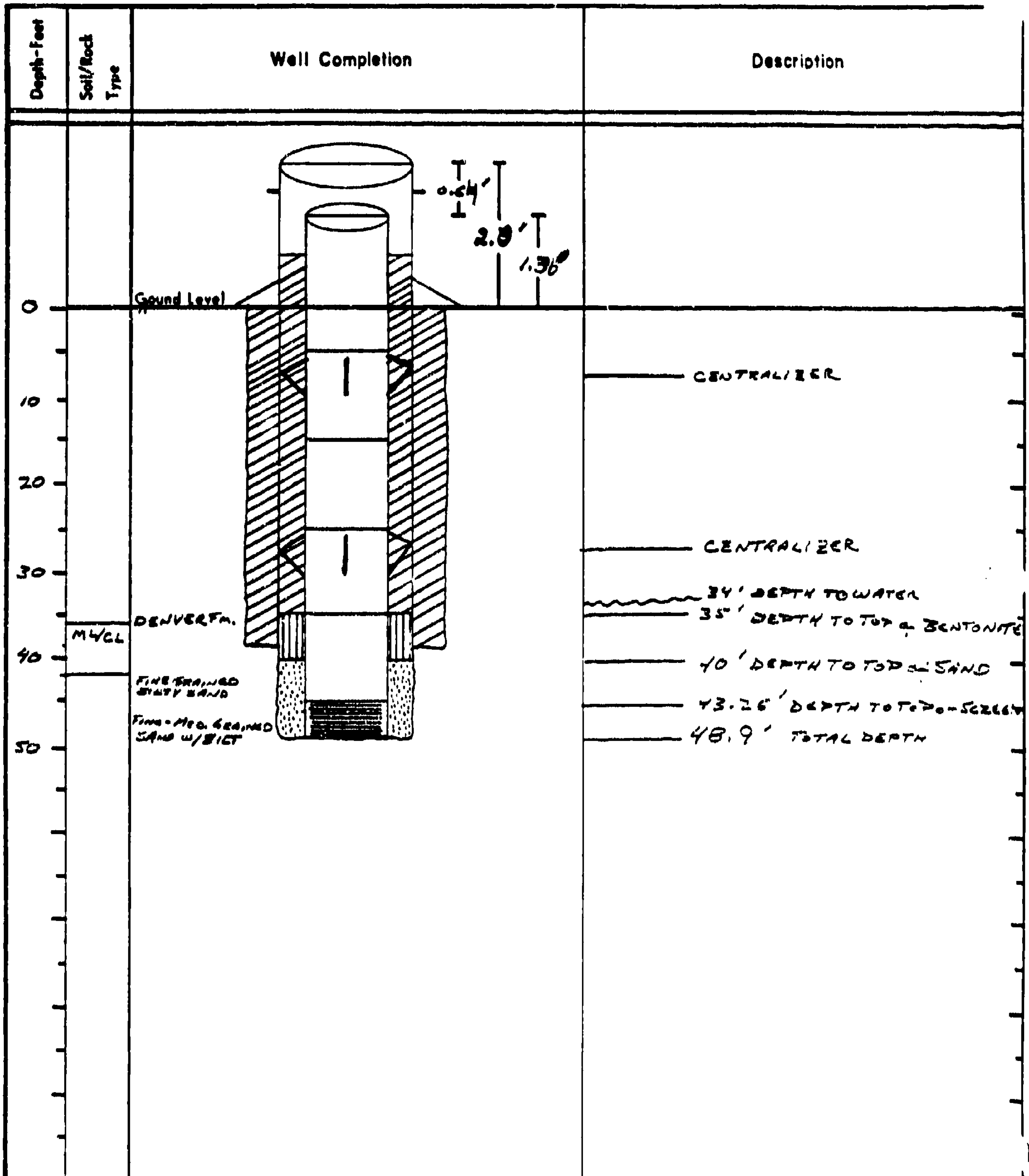
Drill Site Geologist ___ Date ___

C-217

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

Borehole: EP-67D1

Well: ~~EP67DT~~ SP 35088



C-218

Drill Site Geologist: Freeman Date: 12-1-12/3/83

Reviewed By: [signature] Date: 3/5/84

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EPL7D1 Well 35C88

Project TEST 44
Project Number
Date(s) Developed 2-19-88
Date Installed 12-3-87
Personnel (Name/Company) ESE Kevin Pierson / Ray Rosales
Well Diameter (I.D.) 4" PVC in.
Anulus Diameter 12¼ in. 40' ft. to 49.7 ft.
— in. — ft. to ft.
Rig Used Well Develop Truck
Pump (Type/Capacity) N/A
Screen Interval 43.26 ft. to 48.7 ft.
— ft. to — ft.
Bailer (Type/Capacity) ~~[illegible]~~ BAILER Stainless Steel
Water Source RMA
Casing Height (Above G.L.) 1.7' ft.
Measured Well Depth TOC (Initial) ~~38.7~~ 50.83 ft.
(Final) 50.82 ft.
Bottom of Screen (Below G.L.) 49.7 ft.
Water Level TOC/Date/Time (Initial) 31.93 / 1315 / 2-19-88 / RR
(after 24 hrs.) 32.16 / 2-14-88 / 1210
Feet of Water in Well 12.17 ft. x 2.32 gallons/foot = ~~[illegible]~~ 20.525 gallons casing/anulus volume
Drilling Fluid Lost N.A gallons
One Purge Volume 20 gallons
Purge Water Lost N.A gallons
Minimum Purge Volume 100 gallons
Added Water 0 gallons
Total Purge Volume 105 gallons
Casing/Anulus Volume gallons
Volume Measured By 5 GAL. BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: SN #A16344
pH 7.00 = 7.07 at [illegible] °C, pH 10.00 = [illegible] at [illegible] °C
Conductance Meter Used: SN # 14243
Standard 1413 umhos/cm at 25° Reading 1413 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial RR 0 Gal.	1350	12.4°	7.88	768	SILTY BROWN SOME SED
25 Gal	1425	12.5°	7.5[illegible]	1421	[illegible]
31 Gal.	1441	12.0°	[illegible]	1495	SILTY BROWN [illegible]
Final					RR

Remarks: DEWATERED @ 31 Gal.

Collected by [illegible signature] Signature [illegible date]
C-219
Checked by [illegible signature] Signature 2/22/88

WELL DEVELOPMENT DATA

Bore EP-67D1 Well 35088

Project ~~Task 44~~ RMA On-Post
Date(s) Developed 3/9/88
Personnel (Name/Company) RR/ESE BW/ESE

Rig Used ESE Well Development Truck
Pump (Type/Capacity) Grundfos /5GPM
Bailer (Type/Capacity) N/A
Water Source RMA
Measured Well Depth TOC (Initial) ~~2469~~ 50.83 ft.
(Final) 50.82 ft.

Project Number Task 44
Date Installed 12/2/87
Well Diameter (I.D.) 4 in.
Anulus Diameter 12 in. 0 ft. to 38.6 ft.
5-3/4 in. 38.6 ft. to 48.9 ft.
Screen Interval 43.26 ft. to 48.9 ft.
___ ft. to ___ ft.
Casing Height (Above G.L.) 1.7 ft.
Bottom of Screen (Below G.L.) 48.9 ft.

Water Level TOC/Date/Time (Initial) 31.89 / 3-9-88 0832 / RR BW
(after 24 hrs.) 32.10 / 3-14-88 / 1220

Feet of Water in Well 18.94 ft. x 0.653 gallons/foot = 12.37 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
Purge Water Lost N/A gallons
Added Water ϕ gallons
Casing/Anulus Volume 12.37 gallons

* One Purge Volume 20 gallons
Minimum Purge Volume 100 gallons
Total Purge Volume 105 gallons
Volume Measured By 55 Gal. Barrel and 5 Gal bucket
Surge Technique raise and lower pump

Calibration: pH Meter Used: Beckman ϕ 21 pH Meter S/N 016344
pH 7.00 = 7.03 at 15.2 °C, pH 10.00 = 10.13 at 14.2 °C
Conductance Meter Used: YSI Model 32 SN 2603
Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 15.2 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 31	0905	14.6	7.69	1503	Cloudy Brown w/ Silt + fine grained Sand
41	0913	13.7	8.18	1460	Cloudy Brown w/ Silt + fine grained Sand
51	0925	14.6	7.87	1479	Cloudy Brown w/ Silt + fine grained Sand
56	0937	15.0	7.53	1210	Cloudy
Final				SW	

Sandpack = 48.9 Bot. of Screen
− 40.0 Top of Sand
~~8.9 ft × 0.82 gal/ft~~ = 7.6

Remarks: Cavitated ~~@ 56 gal~~ ~~total~~ in 25 gal, 15 min later well recharged to 6 gal.

\# 1 Purge vol 12.4 casing
− 8 gal sandpack
[illegible]

Collected by [signature] 3-9-88
Signature

Checked by [signature] 3/?/88
Signature

C-220

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

SHEET 3 OF 5

WELL DEVELOPMENT DATA

Bore EP-67D1 Well 35 ...

Project RMA ... Post
Project Number Task 44
Date(s) Developed 3-10-88
Date Installed 12-2-87
Personnel (Name/Company) RR/ESE BW/ESE
Well Diameter (I.D.) 4" in.
Anulus Diameter 12 in. 0 ft. to 38.6 ft.; 5 3/4 in. 38.6 ft. to 48.9 ft.
Rig Used Well Develop Truck
Pump (Type/Capacity) Grundfos / 5 GPM
Screen Interval 43.26 ft. to 48.9 ft.
Bailer (Type/Capacity) N/A
____ ft. to ____ ft.
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 50.83 ft. (Final) 50.82 ft.
Bottom of Screen (Below G.L.) 48.9 ft.
Water Level TOC/Date/Time (Initial) 31.59 / 3-9-88 / 8:32 / RR BW
(after 24 hrs.) 32.10 / 3-14-88 / 1330
Feet of Water in Well 18.94 ft. x .653 gallons/foot = 12.37 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 20 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 100 gallons
Added Water 0 gallons
Total Purge Volume 105 gallons
Casing/Anulus Volume 12.37 gallons
Volume Measured By 55 Gal. Barrels
Surge Technique [illegible]

Calibration: pH Meter Used: Beckman #21 PH Meter SN #011344
pH 7.00 = 7.03 at 16.1° °C, pH 10.00 [illegible] at 17.6° °C
Conductance Meter Used: YSI Model 32 SN #2603
Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0 56	8:43	12.7°	7.77	1563	Cloudy Brn w/ Silt & Fine Grain Sand
0 66	8:47	12.5°	7.47	1513	Cloudy Brn w/ some silt
15 71	8:55	11.6°	7.43	1456	Cloudy very little silt
25 81	9:14	10.7°	7.38	1521	Slightly Cloudy
Final					RR

Remarks: 31.60 = Water level, start pump 8:40 / pump off 9:18
Developed @ 25 Gal.

Purge Vol. 124 casing + [illegible] sandpack

Collected by [signature] Signature [date]
C-221
Checked by [signature] Signature [date]

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP-67D1 Well 35088

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 3/10/88 (CONTINUED)
Date Installed
Personnel (Name/Company) DLW, RR, BW ESE
Well Diameter (I.D.) ____ in.
Anulus Diameter ____ in. ____ ft. to ____ ft.
____ in. ____ ft. to ____ ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 5 GPM
Screen Interval ____ ft. to ____ ft.
____ ft. to ____ ft.
Bailer (Type/Capacity) NA
Water Source RMA
Casing Height (Above G.L.) ____ ft.
Measured Well Depth TOC (Initial) 50.83 ft.
(Final) 50.53 ft.
Bottom of Screen (Below G.L.) ____ ft.
Water Level TOC/Date/Time (Initial) 31.89 / 3-9-88 / 0932
(after 24 hrs.) 32.10 / 3-14-88 / 1220
Feet of Water in Well 18.94 ft. x .653 gallons/foot = 12.37 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 20 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 100 gallons
Added Water 0 gallons
Total Purge Volume 105 gallons
Casing/Anulus Volume 12.37 gallons
Volume Measured By 55 GALLON BARREL
Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: ~~BECKMAN~~ Φ 21 SN: ~~[illegible]~~ 0163441
pH 7.00 = 7.10 at 2.7 °C, pH 10.00 = 10.25 at 5.0 °C
Conductance Meter Used: YSI MODEL 32
Standard 1413 umhos/cm at 25°, Reading ____ umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 81	1520	10.4	~~9.91~~ 7.11	1566	cloudy w/ brown silt + many grains, slight [illegible] odor
91	1524	10.3	6.88	1492	cloudy w/ brown silt
95	1532	8.1	7.10	1428	cloudy w/ brown silt
Final					

Remarks: Water level = 32.06 @ 1510
Pump on 1513 Note: Beckman pH [illegible] [illegible] [illegible] [illegible] - had to change to ORION SA 250 for last parameter.
(all parameter may not be correct)

Collected by [signature] 3/10/88
Signature
Checked by [signature] 3/17/88
Signature

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-6701 Well 35088

Project RMA on Post
Project Number Task 44
Date(s) Developed 3-11-88
Date Installed 12-2-87
Personnel (Name/Company) RR, LW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12 in. 0 ft. to 38.6 ft.
5 3/4 in. 38.6 ft. to 48.9 ft.
Rig Used ESE Well Service Truck
Pump (Type/Capacity) Grundfos / 5 GPM
Screen Interval 43.26 ft. to 48.9 ft.
Bailer (Type/Capacity) N/A
— ft. to — ft.
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 50.83 ft.
Bottom of Screen (Below G.L.) 48.9 ft.
(Final) 50.82 ft.

Water Level TOC/Date/Time (Initial) 31.89 / 3-9-88 / 0832
(after 24 hrs.) 32.10 / 3-14-88 / 1220

Feet of Water in Well 18.94 ft. x .653 gallons/foot = 12.37 gallons casing/anulus volume

Drilling Fluid Lost n/a gallons
✔ One Purge Volume 20 gallons
Purge Water Lost n/a gallons
Minimum Purge Volume 100 gallons
Added Water 0 gallons
Total Purge Volume gallons
Casing/Anulus Volume 12.37 gallons
Volume Measured By 55 Gallon barrel
Surge Technique Surge / [illegible] Pump

Calibration: pH Meter Used: Beckman Φ 21 SN 016344
pH 7.00 = 7.04 at 13.3 °C, pH 10.00 = 10.14 at 13.33 °C
Conductance Meter Used: YSI Model 32 SN 2663
Standard 1413 umhos/cm at 25°, Reading 1411 umhos/cm at 42 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 95	0834	7.8	7.56	1545	Cloudy brown w/silt and sand
100	0842	9.1	7.33	1462	less cloudy / small amount of sand
Final 105	0853	9.3	7.41	1455	Cloudy brown w/silt [illegible] sand amount [illegible]
Final					RB

Remarks: Water level = 31.93 [illegible] pump @ 834, pump off [illegible] 0853 [illegible] [illegible] Surge [illegible] development [illegible] - obtained [illegible]

C-223

[illegible] Purge Vol. 12.4 Casing
[illegible] Sand pack
20.0

Collected by [illegible]
Signature

Checked by [illegible]
Signature

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0830

WELL CONSTRUCTION SUMMARY

Borehole EP-677R Well 35089

Project Name and Location RMA Task 44 Well Installation SW, SW Sect 28 Project Number T44

Drilling Company Boyles Bros. Driller Don Lewis Rig Number 12

Drilling Method(s) Rotary wash

Borehole Diameter 16¼ in. ____ cm. 0 ft. ____ cm. to 38 ft. ____ cm.
11¾ in. ____ cm. 38 ft. ____ cm. to 50 ft. ____ cm.
7⅞ 50 ft. to 69 ft.

Size(s) and types of Bit(s) 16¼", 11¾", 7⅞" Blade Bits

Sampling Method(s) Previously Cored

Date/Time Start Drilling 12/4/87 1040

Size and Type PVC 4" Sch 40

Date/Time Finish Drilling 12/9/87 1500

Total Borehole Depth 69 ft. ____ cm.

Date/Time Start Completion 12/9/87 1550

Depth to Bedrock 33 ft. ____ cm.

Date/Time Cement Protective Casing 12/10/87 0845

Depth to Water — ft. ____ cm.

Materials Used —

Water Level Determined By —

Plain PVC ~~58.~~ 58.92'

Length Plain PVC (total) ~~68.~~ ft. 58.2 ft.

Slotted PVC 10.67'

Length of Screen 10.0 ft. ____ cm.

Bentonite Pellets 1.25 buckets (62.5 lb)

Total Length of Well Casing 68.2 ft. ____ cm.

Bentonite Granular 2.25 bags (135 lb.)

PVC Stick Up 1.7 ft. ____ cm.

Cement 23 bags (2070 lb.)

Depth to Bottom of Screen 66.0 ft. ____ cm.

Sand 3 bags (300 lb.)

Depth to Top of Screen 56.0 ft. ____ cm.

Water added during completion 0 gal.

Depth to Top of Sand 50.0 ft. ____ cm.

Water added during drilling 50 gal.

Depth to Top of Bentonite 46.0 ft. ____ cm.

Total Gallons of water added 50 gal

Drill Site Geologist A.E. Tatelli Date 12/10/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 2/25/88 1030 SS RP

Date/Time/Personnel Casing Painted 2/25/88 1100 SS RP

Date/Time/Personnel Numbers Painted 3/8/88 1600 PW RR

Materials Used 12 bags Sakrete

Top of Protective Casing to Top of PVC 0.18 ft. ____ cm.

COMMENT/NOTES

Top of Protective Casing to Weep Hole 1.0 ft. ____ cm.

Top of Protective Casing to Internal Mortar 1.4 ft. ____ cm.

Top of Protective Casing to Top of Cement Pad 1.5 ft. ____ cm.

Top of Protective Casing to Ground Level 1.9 ft. ____ cm.

Reviewed By Steve Pauls Date 3/8/88

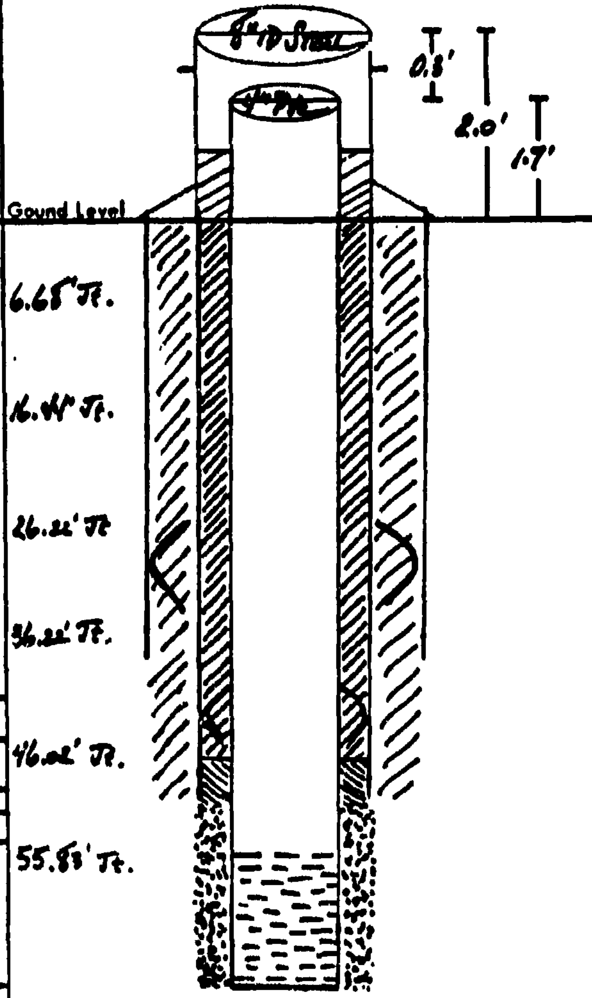
Drill Site Geologist ____ Date ____

C-224

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0638

Borehole: EP-61 Re Well: 35089

Depth-Feet	Soil/Rock Type	Well Completion	Description



Depth-Feet: 10, 20, 30, 40, 50, 60, 70, 80, 90

Soil/Rock Type: St, Ss, Ss, St, SS, Cs

12" ID Steel Casing: Surface to 38'
8" ID Steel Casing: 2.0' Above Surface 50'
4" ID PVC (Sch 40): 1.7' Above Surface 66.5'

Centralizer @ 30.0'

TD / 12" ID Steel: 38.0'
Centralizer @ 44.02'
Top of Bentonite Seal: 46.0'
TD / 8" ID Steel: 50.0'
Top of Sand Pack: 50.0'
Top of Screen: 56.0'
Bottom of Screen: 66.0'
TD / 4" ID PVC: 66.5'

Drill Site Geologist: A.G. Vitalli Date: 12/9/87
Reviewed By: J. Faw Date: 3/8/88

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

SHEET 1 OF 3

WELL DEVELOPMENT DATA

Bore ED-67D2 Well 35089

Project RMA On-Post
Project Number Task 44
Date(s) Developed 3/7/88
Date Installed 12/10/87
Personnel (Name/Company) DW/ESE
RR/ESE BW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 10 3/4 in. 0 ft. to 50 ft.
11 3/4 in. 30 ft. to 50 ft.
Rig Used ESE with service time
Pump (Type/Capacity) Grundfos/5 gpm
Screen Interval 7 3/4 in. 50 ft. to 67 ft.
52.0 ft. to 66.0 ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 64.90 ft.
Bottom of Screen (Below G.L.) 66.0 ft.
(Final) 68.26 ft.
Water Level TOC/Date/Time (Initial) 35.05 / 3-7-88 / 1525
(after 24 hrs.) ~~35.__ / 3-8-88 / 1030~~ DW 34.88 / 3-11-88 / 1430
Feet of Water in Well 29.85 ft. x 0.653 gallons/foot = 19.5 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 83 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 415 gallons
Added Water 50 gallons
Total Purge Volume 415 gallons
Casing/Anulus Volume 19.5 gallons
Volume Measured By 55 gallon barrel
Surge Technique Raise/lower pump

Calibration: pH Meter Used: Beckman p21 S/N 016344
pH 7.00 = 7.00 at 5.2 °C, pH 10.00 = 10.25 at 4.8 °C
Conductance Meter Used: YSI Model 32 S/N 1003
Standard 1413 umhos/cm at 25°, Reading 1412 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 3 gal.	1543	9.8	12.33	2350	Viscous, thick muddy w/ gray silt
10 gal	1552	10.1	12.43	2070	muddy w/ gray silt
20 gal	1556	11.3	12.24	2000	less muddy (clear) w/ gray silt (decreasing)
85 gal	1613	11.8	10.93	667	mostly clear, some [illegible]
Final					

Remarks: Pump on 1540
Tip reading = 0.6 ppm. Pump rate @ 40 gallons = 4.2 min.

Sandpack = 66.0 bottom of screen
− 50.0 top of sand
[illegible]

* Purge vol. 19.5 casing vol.
13.6 Sandpack vol.
+ 50 gal added H2O
83.1 gal

Collected by [signature] 3/11/88
Signature

Checked by [signature]
Signature

C-226

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP 67 D2 Well 35089

Project RMA On-Post
Project Number Task 44
Date(s) Developed 3-8-88
Date Installed 12-10-87
Personnel (Name/Company) RR/ESE BW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 10 1/4 in. 0 ft. to 38 ft.
11 3/4 in. 38 ft. to 50 ft.
Rig Used ESE Well Service truck
Pump (Type/Capacity) Grundfos / 5 GPM
Screen Interval 7 7/8 in 50 ft. to 69 ft.
Bailer (Type/Capacity) N/A
50 ft. to 66 ft.
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 64.10 ft.
Bottom of Screen (Below G.L.) 66.0 ft.
(Final) 67.26 ft.

Water Level TOC/Date/Time (Initial) 35.05 / 3-7-88 / 1525
(after 24 hrs.) ~~35.46 / 3-4-88 / 1050~~ 34.88 / 3-11-88 / 1430

Feet of Water in Well 29.63 ft. x .653 gallons/foot = 19.5 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
One Purge Volume 83 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 415 gallons
Added Water ~~50~~ 50 gallons
Total Purge Volume 415 gallons
Casing/Anulus Volume 19.5 gallons
Volume Measured By 55 Gallon Barrel
Surge Technique Raise and lower pump

Calibration: pH Meter Used: Beckman Φ 21 pH Meter SN 016344
pH 7.00 = 7.05 at 12.0 °C, pH 10.00 = 10.14 at [illegible] °C
Conductance Meter Used: YSI Model 32 SN 2603
Standard 1413 umhos/cm at 25°, Reading 1416 umhos/cm at [illegible] °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 85	1430	13.7	12.02	796	Cloudy [illegible]
100	1439	13.4	11.49	862	less Cloudy [illegible]
1[illegible]5	1449	13.6	11.29	759	Mostly Clear [illegible] Cloudy [illegible]
170	1504	[illegible]4	9.82	801	[illegible]
255	1545	12.1	9.37	[illegible]	Clear
Final				~~936~~	[illegible]

[illegible]

Remarks: Water level ≈ 35.27

Collected by [illegible] Signature

Checked by [illegible] Signature

[illegible] 35.27 [illegible] 19.5 [illegible]

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP67 O2 Well 35089

Project RMA on Post
Project Number Task 44
Date(s) Developed 3-8-88
Date Installed 12-10-87
Personnel (Name/Company) RR/ESE BW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 10¼ in. 0 ft. to 38 ft.
11¾ in. 38 ft. to 50 ft.
Rig Used ESE Well Service truck
Pump (Type/Capacity) Groundfos / 5 GPM
Screen Interval 7⅞ in 50 ft. to 69 ft.
56.0 ft. to 66.0 ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 64.90 ft.
Bottom of Screen (Below G.L.) 66.0 ft.
(Final) 68.26 ft.
Water Level TOC/Date/Time (Initial) 35.05 / 3-7-88 / 1525
(after 24 hrs.) ~~33.46 / 4-9-88 / 1030~~ DW 34.86 / 3-11-88 / 1430
Feet of Water in Well 29.63 ft. x .653 gallons/foot = 19.5 + 13.6 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 83 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 415 gallons
Added Water 50 gallons
Total Purge Volume 415 gallons
Casing/Anulus Volume 19.5 gallons
Volume Measured By 55 Gallon Barrel
Surge Technique Raise & lower Pump

Calibration: pH Meter Used: Beckman φ 21 PH Meter SN 016344
pH 7.00 = 7.05 at 12.0 °C, pH 10.00 = 10.14 at 12.5 °C
Conductance Meter Used: YSI Model 33 SN 2603
Standard 1413 umhos/cm at 25°, Reading 1416 umhos/cm at 12.5 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 340	1555	13.4	9.14	936	Clear
415	1648	13.7	8.21	925	Clear
Final					DW

Remarks:

Collected by [illegible]
Signature

Checked by [illegible]
Signature

C-228

EP-71A

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

BOREHOLE SUMMARY LOG

Borehole EP 71 A Well 23237, 23238

Project Name and Location RMA Soil Sampling 744 Well Installation Project Number 1705300110

Drilling Company Boyles Driller R. Mackey Rig Number

Drilling Method(s) 3¼" ID HS Auger

Size(s) and type(s) of bit(s) 3¼" ID HS Bit - clay bit

Borehole Diameter 6 in. ____ cm. 0 ft. ____ cm. to 26 ft. ____ cm

____ in. ____ cm. ____ ft. ____ cm. to ____ ft. ____ cm.

Sampling Methods Poly butyrate tube in continuous sampler

Total Number Soil Sampling Tubes 9

Total Number Core Boxes 2

Number of Gallons Lost Drilling Fluid None

Date/Time Started Drilling 11-12-87 / 0829

Date/Time Completed Drilling 11-12-87 / 1005

Total Borehold Depth 26 ft. ____ cm.

Depth to Bedrock 12' ft. ____ cm. clayey siltstone

Depth to Water Not Encountered cm.

Water Level Determined By? ——

Borehole Completed as Monitoring Well? NO

Date/Time Grouting Completed 11-12-87 / 0954

Depth of Tremmie Pipe 16'

Gallons of Grout 60 gal

Materials Used [illegible]

Comments

Wellsite Geologist [illegible] Date [illegible]

Checked for Grout Settlement on [illegible] by [illegible]

Amount of Grout Added [illegible]

All Measurements from Ground Level

Reviewed by [signature] Date 3/7/88

Drill Site Geologist ____ Date ____

C-230

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0630

Borehole: EP-71 A Well Number: 23237, 23238

SOILS LOG

Description

Munsell Colors

Depth–Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	Description
0-2	0-2	2'	N/A	0-2	ML	ML, Sandy-silt, 10-15% vfg sand, 10YR 4/3 brown-dk. brown, non-plastic, loose, moist, Alluvium @ 0.8 color change to 10YR 5/4 yellowish brown
	2-4	2'		2-4		ML, sandy silt 10% vfg sand w/ trace calcite 10YR 5/3 brown, non-plastic, medium dense, slightly moist, Alluvium
	4-6	2'		4-6		ML, sandy silt ~ 30% vfg sand, w/ trace calcite 10YR 5/4 yellowish brown, non-plastic, medium dense, slightly moist, Alluvium
	6-8	0		6-8		No RECOVERY 6-7.5' Encountered white fine silt plugged bbl.
	8-10	.5'		8-10		@ 9.9' ML, sandy silt, ~ 5% sand, 10YR 7/3 very pale brown, non plastic, loose, dry, Alluvium ~ 40% calcium carbonate 10YR 8/1 white
	10-12	2'		10-12		@ 11.0' ML, sandy silt, ~ 10% sand, 10YR 5/2, grayish brown + 25% calcium carbonate 10YR 8/2 white, non-plastic, medium dense, dry, Alluvium

0 2 4 6 8 10 12

C-231

Drill Site Geologist: K. Baker Date: 11-12-87

Reviewed By: [signature] Date: 11/18/87

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

SHEET 2 OF 2

Borehole: TP 71 A Well Number:

SOILS LOG

Description

Munsell Colors

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	Description
12	12-14	2'	N/A	12-14		@12.0' Weathered clayey siltstone, ~40% clay 10YR 5/2, grayish brown w/ 10YR 7/2 pale brown calcium carbonate spots, traces of small gravel possibly granite, dense, dry, Bedrock
14	14-16	2'		14-16		Same w/ ~30% calcium carbonate 10YR 6/2 lt. brownish gray
16	16-18	0		16-18		NO RECOVERY 16-20 Encountered gravel @ ~16.5 sample fell out
18	18-20	0		18-20		gravel [illegible]
20	20-22	2'		20-22		@20' GW, sandy gravel, ~30% sand 10YR 4/4 [illegible] 10YR 5/3 brown, dense, loose, moist @20.5' ~~SM~~ ML, sandy clay, slightly weathered [illegible] 10YR 5/2 grayish brown medium dense [illegible]
22	22-24	0		22-24		NO RECOVERY 22-24' coarse + fine gravels
24						

C-232

Drill Site Geologist: [illegible] Date: [illegible]

Reviewed By: [illegible] Date: [illegible]

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC. 7332 SOUTH ALTON WAY • SUITE H-I ENGLEWOOD, COLORADO 80112 • 303/741-0838

SHEET 5 OF 5

Borehole: EP 710 Well Number:

SOILS LOG

Description

Munsell Colors

Depth–Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	Description
24 – 26	24-26	2'	N/A	24-26		@24' Well rounded gravel 10YR 5/3 @24.5'. Silty clay · weathered, 10YR 4/1 dk gray med. dense, moist

END OF BORING LOG

C-233

Drill Site Geologist: [illegible] Date: [illegible]

Reviewed By: [illegible] Date: [illegible]

ESE, Inc CORE LOG By ST Date 10/27/87 EP-71 Well(s) Page 2 of 6

Depth	Core	Structure / Bedding	Description / Comments
			Bedrock at 21' Casing set to 26'. Begin coring at 26'
26	① .4/1	massive w/ some silty	5Y 5/2 Lt Olive gray, 25% sand, CS — Claystone
27.0			No Core Recovered from 27' to 30.5'
28	0/5		
30			
30.5		massive	5Y 4/1 Olive gray, CS — Claystone
32	4.5/5		
34			
	①		5Y 6/4 Dusky Yellow
36	0.9/2		
	0/1		
38	3/4		

WELL(S) EP-71

E. Inc

Description / Comments

CS Claystone

42

44

46

48

50

52

54

56

58

5Y 6/4 Dusky Yellow

10Y 6/2 Pale Olive

5Y 5/4 Light Olive brown

5Y 4/1 Olive gray

Faint ... fracture

3% clay ... FeOx

10% SAND ... silt

FeOx

Fe Ox

BORE EP-71 WELL(S)

By SP Date 10/22/87

Description / Comments

Scale 2

60

massive

5Y4/1 Olive gray

5% sand 15% silt

CS Claystone

62

10% con 4/5

N4/0 Med dark gray

15% silt

oxidation boundary

2% con

64

N3/0 Dark gray

20% silt

5Y4/1 Olive gray

66

68

70

5B5/1 Med. bluish gray

72

74

10% sand

SAND % increases

N4/0 Med dark gray

76

30% sand

76.2

thinly banded

N2/0 grayish black

30% claystone

SS Sandstone, medium to coarse grained, moderately well cement to sl. friable

5 GY olive gray

78

friable

C-236

Siltstone

EP-71 WELL(S)

Inc.

Depth	Recovery	Attitude/Bedding	Description	Percentage	Color	Lith %	Lith Class	Description / Comments
80–84.6	4; 0/5; 3/1		Massive	20% ... 3% ...	5GY 4/1 Dark greenish gray	20% claystone ... ; 30% claystone clasts	SS	Sandstone, fine to medium grained, moderately well cemented to sl. friable. grain size increases to very coarse grained
84.6–88	2.1/5				5Y 4/1 olive gray		CS	Claystone
88–90.7			v. finely bedded; v. finely bedded	10% Quartz 10% ... 10% ...		30% silt	SS	Sandstone, v. finely grained. finely interbedded with ...
90.7–97.2	5; 3.5/2; 5/5; 6		Massive; dirty banded		N3/0 Dark gray	25% silt	CS	Claystone, v. silty. interbedded with ... claystone
97.2–	2.1/5		Massive	5% ... 5% ...	N4/0 ... gray	40% claystone clasts	SS	Sandstone, ... to v. coarse grained, ... cement, mod. well cemented to sl. friable

C-237

Description/Comments

100

SS Sandstone

101.0 CS Claystone

102

5Y4/1 olive gray

7% clay gray

104

3% clay

20% sand

106

N2/0 grayish black

107.2

irregular/deformed bedding

N3/0 dark gray

30% sand

St Siltstone, interbedded with sandstone

108

108.5

3% siltst, 1% medium, 2% ...

N5/0 medium gray

SS Sandstone, fine to med grained, well cemented

110

70% clayey siltst

finely fractured, calcite filled

massive

18% clay gray

N3/0 Dark gray

20% sand

CS Claystone, sandy

112

5GY 4/1 dark greenish gray

3% clay

114

116

118

RE EP-71 WELL(S)

ESE, Inc

ESE, Inc. CORE LOG by SP Date 11/2/97 BORE EP 71 Well(s) ______ Page 6 of

Depth	Rec/Int	Structure / Bedding	Color	Texture / Grain Size	Lith	Description / Comments
120	1.1/4.5	v. finely bedded	5Y 4/1 dark greenish gray	35% silt	CS	Claystone v. finely interbedded with siltstone
122	5/4	Massive	N 3/0 Dark gray	20% silt		
124				10% silt		
126	5/4.5					
128						
130	0/1					

Total drilled depht 130'

SE, Inc BORE EP-7L WELL(S)

Frontier Logging
Lakewood, Colorado

Company	ESE
Bore Hole	EP-71
Area/Project	RMA
County	ADAMS COUNTY
State	COLORADO
Log Measured From	Ground Level
Date	OCT. 23, 1987
Driller Depth	129 FT
Bit Size	3 7/8"
Casing	22 FT PVC
Fluid in Hole	Native mud
Drilling Measured From	Ground Level
Time In	1520
Time Out	1650
Unit No	110
Operator	Wm Linton
Location	Lakewood

EQUIPMENT DATA

T.D. Logged	125 1/2 FT
Natural Gamma	200 Scale = 20 CPS per inch
Time Constant	2
Logging Speed	15 Ft/Min
Probe No	103-1421
Probe Diameter	1 5/8"
Crystal Size	xtal 3/4 x 1"
	2.38×10^{-5}
Dead Time	7
Resistance	40 ohms/5" Ohms per 5 inches
S.P.	60 MV/Inch MV per inch

NATURAL GAMMA REPEATS (ANALOG)

1st run - hole blocked @ 115 1/2 FT

2nd run in hole inside 96 FT of drill pipe

open hole log 96 FT - 125 1/2

Gamma (Analog) | Gamma (Digital) | Caliper | Temperature | Density Source No | Neutron Source No

DIRECTIONAL DATA

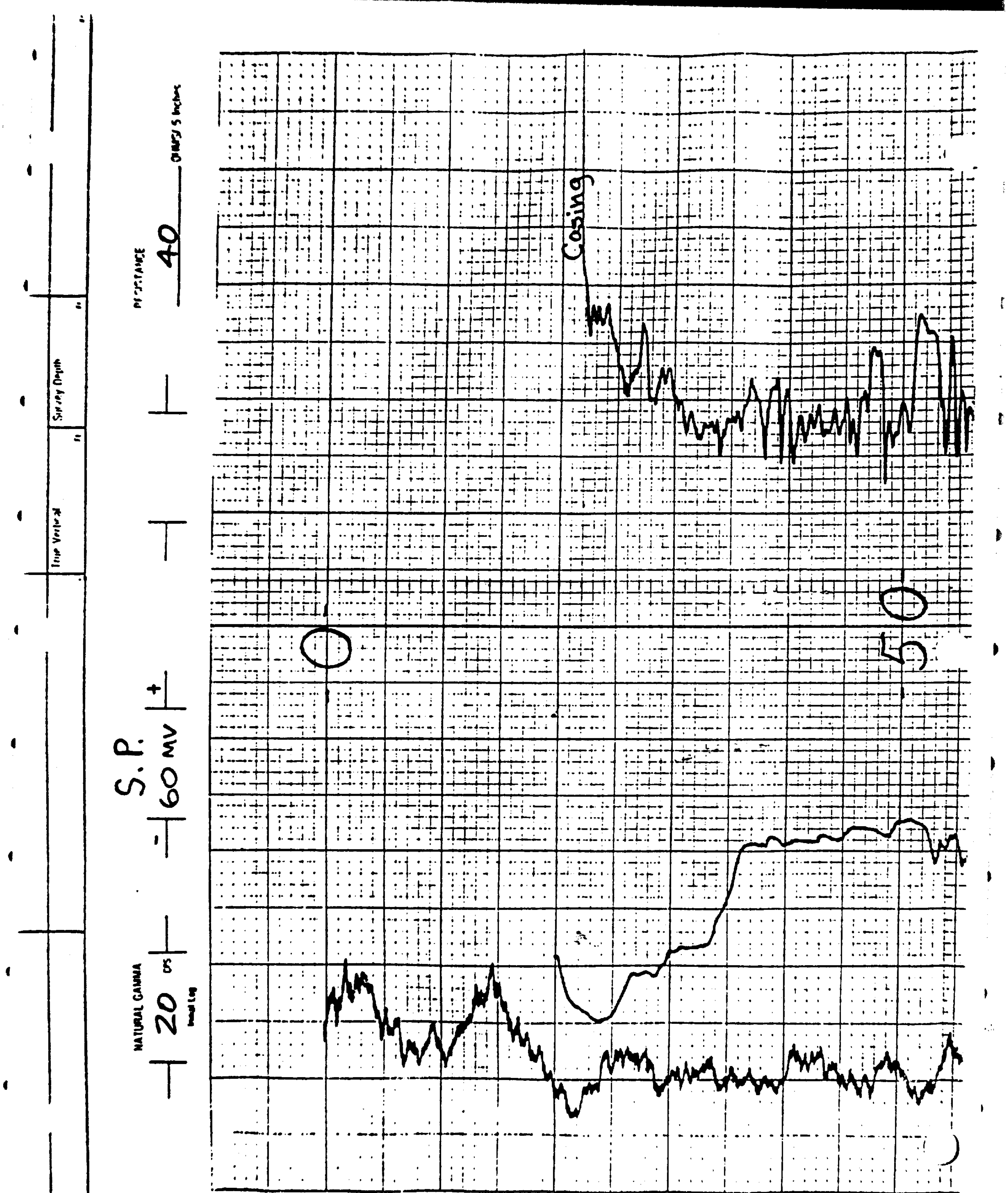
Closure | Azimuth | True Vertical | Survey Depth

C-240

NATURAL GAMMA 20 CPS

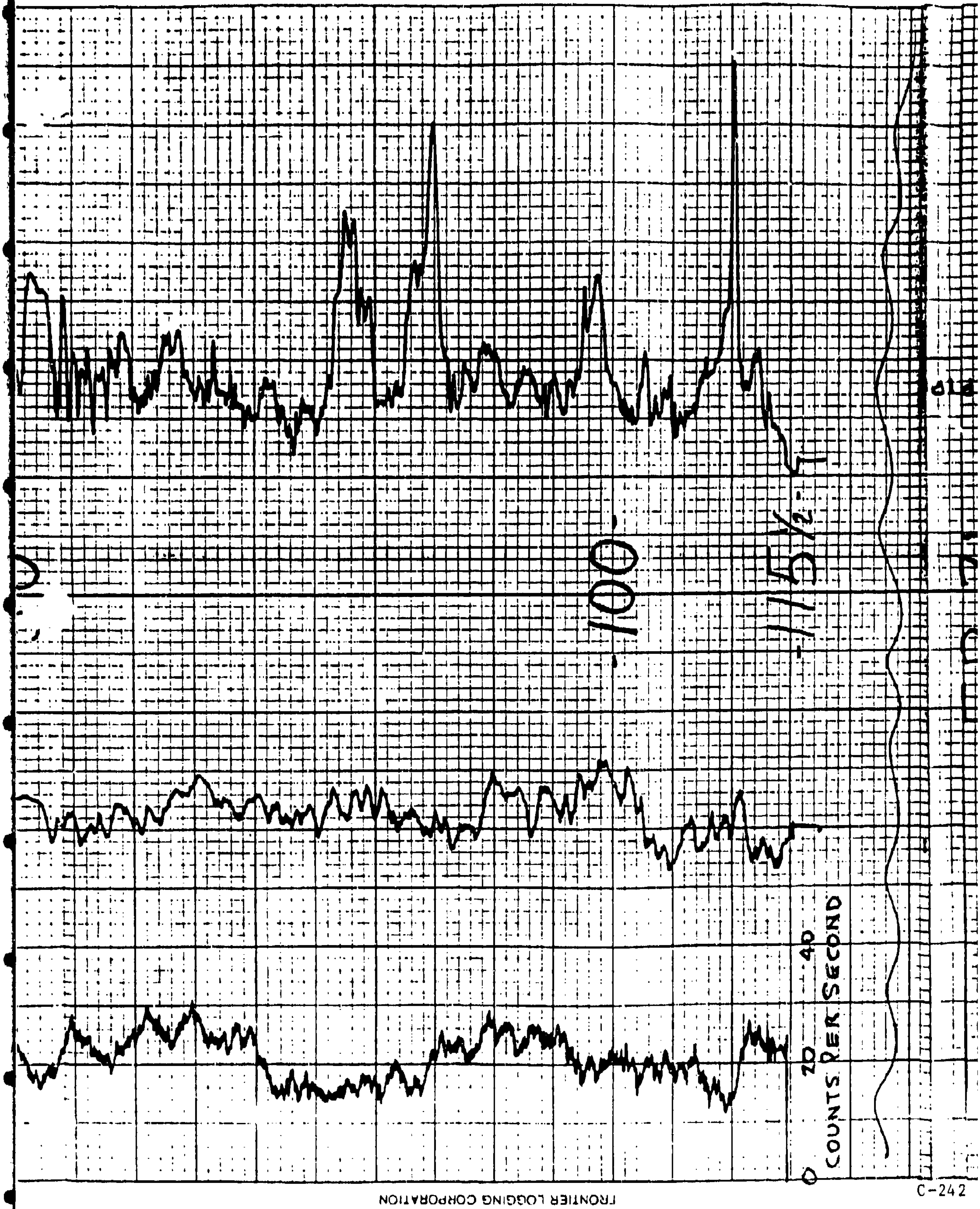
S.P. - 60 MV +

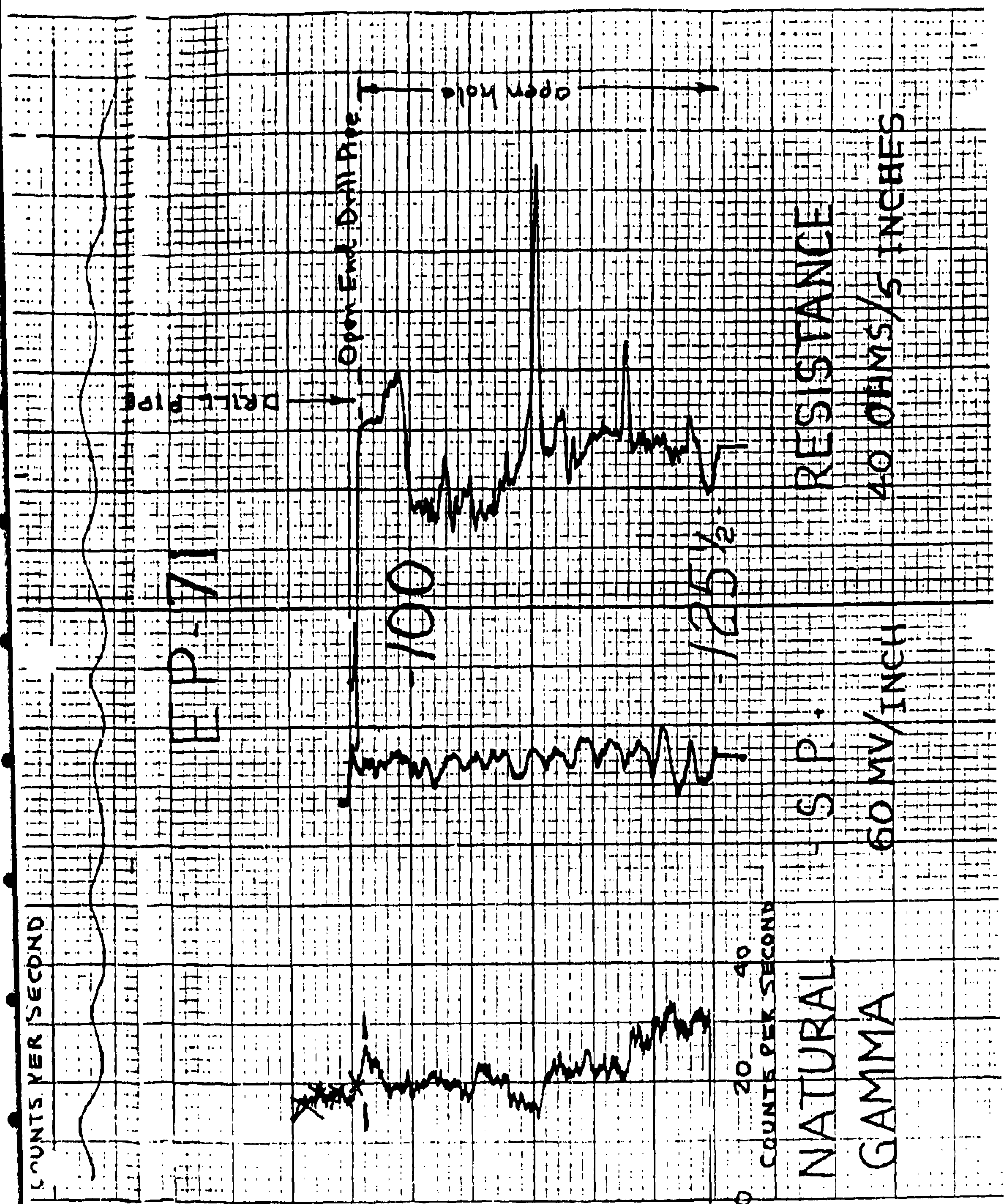
RESISTANCE 40 OHMS/5 Inches



Casing
RESISTANCE
40
S.P.
60 MV
- +
NATURAL GAMMA
20
0
50
True Vertical
Survey Depth

C-241


100
115½
0
20
40
COUNTS PER SECOND
C-242
FRONTIER LOGGING CORPORATION


COUNTS PER SECOND
EP-71
/00
/25½
DRILL PIPE
Open End Drill Pipe
open hole
0
20
40
COUNTS PER SECOND
NATURAL
GAMMA
S.P.
60 MV/INCH
RESISTANCE
40 OHMS/5 INCHES

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL CONSTRUCTION SUMMARY

Borehole EP-71 D1 Well ~~23237~~ SP 22079

Project Name and Location RMA MW INSTALLATION / SE, NE SECT. 22 Project Number TASK 44

Drilling Company BOYLES BROTHERS Driller BOB RONCH / DON IRVING Rig Number FAILING 1500

Drilling Method(s) ROTARY

Borehole Diameter 11 1/2 in. ___ cm. 0 ft. ___ cm. to 29.2 ft. ___ cm.
7 7/8 in. ___ cm. 29 ft. ___ cm. to 86.5 ft. ___ cm.

Size(s) and types of Bit(s)	11 1/2" blade bit / 7 7/8" blade bit	Sampling Method(s)	Not Sampled (see EP-71 [illegible])
Size and Type PVC	4" Schedule 40	Date/Time Start Drilling	12/23/87 0904
Total Borehole Depth	86.10 ft. ___ cm.	Date/Time Finish Drilling	01/06/88 [illegible]
Depth to Bedrock	— ft. ___ cm.	Date/Time Start Completion	01/06/88 [illegible]
Depth to Water	N/A ft. ___ cm.	Date/Time Cement Protective Casing	12/23/87 1115
Water Level Determined By	N/A	Materials Used	31.00 ft 8 5/8" OD Steel casing
Length Plain PVC (total)	76.77 ft. ___ cm.	Plain PVC	(7) 10 ft sections + 1 pc 6.77 ft.
Length of Screen	10.93 ft. ___ cm.	Slotted PVC	1 [illegible] = 10.93' ([illegible])
Total Length of Well Casing	87.70 ft. ___ cm.	Bentonite Pellets	3 [illegible]
PVC Stick Up	1.59 ft. ___ cm.	Bentonite Granular	2 [illegible] ([illegible] 5 lbs)
Depth to Bottom of Screen	86.11 ft. ___ cm.	Cement	14 bags
Depth to Top of Screen	75.18 ft. ___ cm.	Sand	4 bags
Depth to Top of Sand	65.70 ft. ___ cm.	Water added during completion	0
Depth to Top of Bentonite	64.40 ft. ___ cm.	Water added during drilling	0
		Total Gallons of water added	0

Drill Site Geologist [signature] Date 01 07 88

Weep hole [illegible]

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed [illegible]

Date/Time/Personnel Casing Painted 3/21/88 1415 SPREE

Date/Time/Personnel Numbers Painted 3/22/88 1450 [illegible]

Materials Used 1 bags of sakret

Top of Protective Casing to Top of PVC	[illegible] ft.	___ cm.	COMMENT/NOTES
Top of Protective Casing to Weep Hole	1.05 ft.	___ cm.	[illegible]
Top of Protective Casing to Internal Mortar	1.66 ft.	___ cm.	
Top of Protective Casing to Top of Cement Pad	1.66 ft.	___ cm.	
Top of Protective Casing to Ground Level	1.80 ft.	___ cm.	

Reviewed By [signature] Date [illegible]

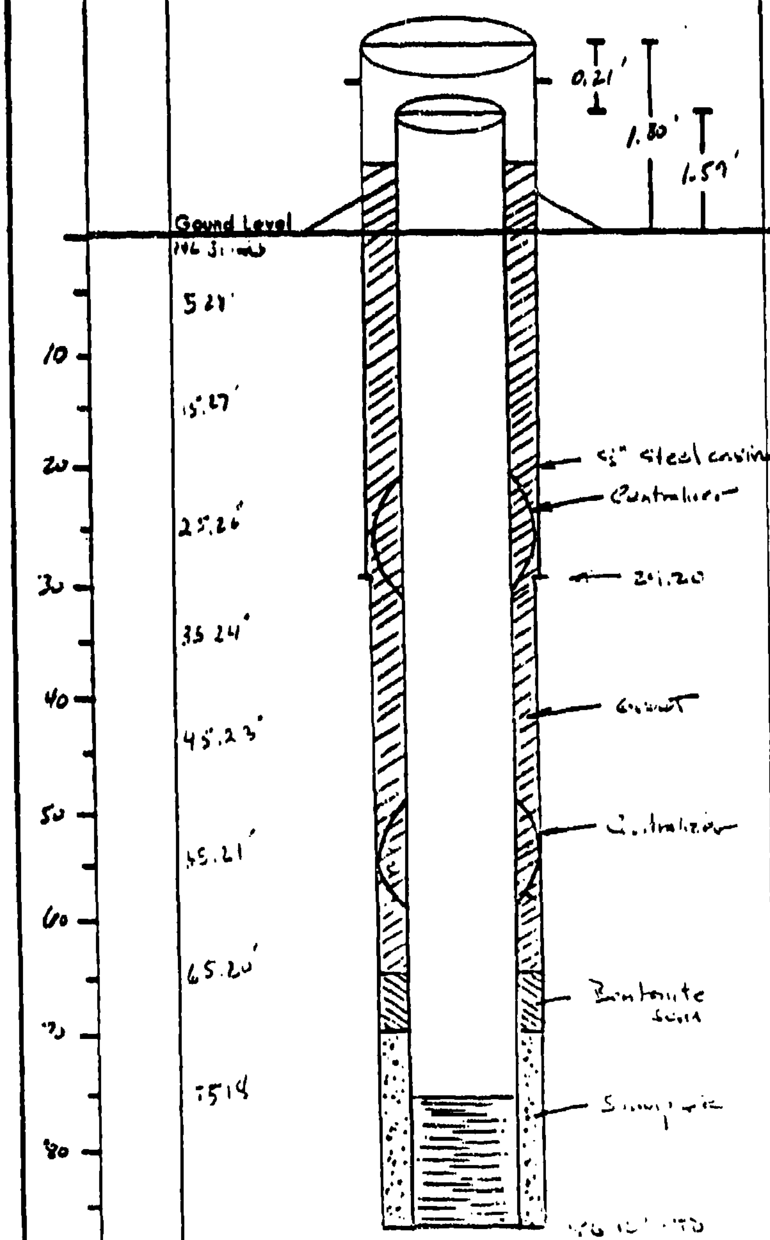
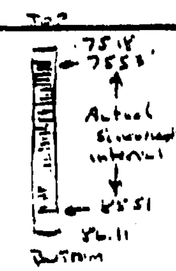
Drill Site Geologist [signature] Date [illegible]

C-244

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

Borehole: EP-71 D1

Well: ~~27257~~ SP 22079

Depth-Feet	Soil/Rock Type	Well Completion	Description
			Screen detail: 
			Centralizer @ 26.26
			Set 8" steel casing to 29.20'
			Centralizer @ 54.21'
			Top of bentonite = 66.40'
			Top of sand = [illegible]
			Top of screen = [illegible]
			Actual screened interval = [illegible]
			Bottom of screen = [illegible]
			Total Borehole depth = [illegible]

Drill Site Geologist: [illegible] Date: [illegible]

Reviewed By: [illegible] Date: [illegible]

C-245

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore E2-71D1 Well 22079

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 3/9/88
Date Installed 01/06/88
Personnel (Name/Company) [illegible]/ESE RR/ESE BW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11½ in. 0 ft. to 20.2 ft.; 7⅞ in. 24 ft. to 86.5 ft.
Rig Used ESE Well Service Truck
Pump (Type/Capacity) Grundfos / 5 gpm
Screen Interval 75.8 ft. to 86.1 ft.
Bailer (Type/Capacity) N/A
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 1.59 ft.
Measured Well Depth TOC (Initial) 76.60 ft.
Bottom of Screen (Below G.L.) 86.1 ft.
(Final) 87.9 ft.
Water Level TOC/Date/Time (Initial) 22.65 / 3-9-88 / 1010
(after 24 hrs.) 36.6 / 4-4-88 / 1215
Feet of Water in Well 53.95 ft. x 0.653 gallons/foot = 35.23 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
* One Purge Volume 49.23 → 50 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 250 gallons
Added Water ∅ gallons
Total Purge Volume 140 gallons
Casing/Anulus Volume 35.23 gallons
Volume Measured By 55 gallon barrel
Surge Technique Raise / Lower Pump

Calibration: pH Meter Used: Beckman Φ21 SN [illegible]
pH 7.00 = [illegible] 7.00 at 18.2 °C. pH 10.00 = 10.05 at [illegible] °C
Conductance Meter Used: YSI Model 33 SN [illegible]
Standard 14.13 umhos/cm at 25°, Reading 14.2 umhos/cm at 25 °C

Purge Volume gallons	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	1624	14.6	11.84	1452	murky, viscous w/ gray silt, black [illegible] chips
10	1628	13.1	11.33	1026	very cloudy, gray, [illegible]
20	1633	13.4	11.36	1000	v. cloudy, gray [illegible]
30	1639	13.1	11.44	1081	very cloudy [illegible]
Final					

Pump is packed w/ gray clay upon removal. Sump/paste = 86.11 = Bot. of Screen; − 64.70 = Top of Screen
Remarks: Pump in well. Pump off @ 1630 for recharge. [illegible]
[illegible] @ 5 gpm. 1648 Pump [illegible] more water [illegible] 7215 [illegible]
[illegible] Well still had 9.85 ft. clay in bottom.

* 1 Pump vol. 35.23 casing vol.
+ 14 gal. [illegible] vol.
49.23 → 50

Collected by [signature]
Signature

C-246

Checked by
Signature

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP-7101 Well 22079

Project RMA ON POST
Project Number Task 44
Date(s) Developed 3-10-88
Date Installed 01-06-88
Personnel (Name/Company) DLW/ESE RR/ESE BW/ESE
Well Diameter (I.D.) 4" in.
Anulus Diameter 11 1/2 in. 0 ft. to 24.2 ft.; 7 7/8 in. 24 ft. to 76.5 ft.
Rig Used ESE Well Service Truck
Pump (Type/Capacity) Grundfos / 5GPM
Screen Interval 75.15 ft. to 76.11 ft.
Bailer (Type/Capacity) N/A
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 1.59 ft.
Measured Well Depth TOC (Initial) 76.60 ft. (Final) 47.9 ft.
Bottom of Screen (Below G.L.) 76.11 ft.

Water Level TOC/Date/Time (Initial) 22.65/3-9-88/1610
(after 24 hrs.) 36.6 / 4-4-88/1215

Feet of Water in Well 53.95 ft. x 0.653 gallons/foot = 35.23 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
One Purge Volume 50 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 250 gallons
Added Water 0 gallons
Total Purge Volume 140 gallons
Casing/Anulus Volume 35.23 gallons
Volume Measured By 55 gal. barrel
Surge Technique [illegible]

Calibration: pH Meter Used: Beckman 021 SN # 16344
pH 7.00 = 7.06 at 9.1 °C, pH 10.00 = 10.14 at [illegible] °C
Conductance Meter Used: YSI Model 33 SN # 2603
Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial (0) 30	11:53	9.3°	10.14	3060	Muddy, [illegible] gray silt, black clay
(5) 35	11:56	10.[illegible]	9.99	3250	thick, [illegible]
(10) 44	12:01	12.1°	10.27	2700	[illegible]
Final					

Remarks: Water level = 57.84, measured well depth [illegible] = 78.[illegible]
[illegible] 1150 / Pump off for recharge 1200 / 1350 [illegible]
[illegible]

1 Purge [illegible] 35.23 casing
14.23 Sandpack
33 [illegible]

Collected by [illegible] 3/10/88
Signature

Checked by
Signature

C-247

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP71D1 Well 22079

Project RMA on-Post
Date(s) Developed 3-10-88
Personnel (Name/Company) RR/ESE BW/ESE

Rig Used ESE Well Service Truck
Pump (Type/Capacity) Grundfos / 5 GPM
Bailer (Type/Capacity) N/A
Water Source RMA
Measured Well Depth TOC (Initial) 76.60 ft. (Final) 87.9 ft.

Project Number Task 44
Date Installed 01-06-88
Well Diameter (I.D.) 4 in.
Anulus Diameter 11½ in. 0 ft. to 29.2 ft.
7⅞ in. 29 ft. to 86.5 ft.
Screen Interval 75.18 ft. to 86.11 ft.
___ ft. to ___ ft.
Casing Height (Above G.L.) 1.59 ft.
Bottom of Screen (Below G.L.) 86.11 ft.

Water Level TOC/Date/Time (Initial) 22.65 / 3-9-88 / 1610
(after 24 hrs.) 36.6 / 4-4-[illegible] 1215

Feet of Water in Well 53.95 ft. x .653 gallons/foot = 35.23 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
Purge Water Lost N/A gallons
Added Water Ø gallons
Casing/Anulus Volume 35.23 gallons

* One Purge Volume 50 gallons
Minimum Purge Volume 250 gallons
Total Purge Volume 146 gallons
Volume Measured By 55 Gal. barrel
Surge Technique Raise and lower pump

Calibration: pH Meter Used: Beckman ϕ 21 S.N. 016344
pH 7.00 = 7.04 at 13.3 °C. pH 10.00 = 10.10 at 13.3 °C
Conductance Meter Used: YSI Model 33 S.N. 2663
Standard 1413 umhos/cm at 25°. Reading 1411 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 44	1009	9.3	9.11	3990	Muddy [illegible] and black [illegible]
(5) 49	1014	4.7	9.43	4580	Cloudy [illegible] fine sand
(9) 53	1017	9.4	9.26	4550	[illegible]
Ignored					
Final					

TD ~~77.53~~ 87.53 w/ Sounder

Remarks: Water level = 69.10 [illegible] depth [illegible] dewatered in 9 gallons

4 × Purge Vol = 35.23 casing
14.00 [illegible]
49.23

Collected by [illegible] Signature

Checked by — Signature

C-248

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore ED-7(D) Well 32079

Project RMA ON-POST — Project Number TASK 44
Date(s) Developed 3/14/88 — Date Installed 01/06/88
Personnel (Name/Company) DW/ESE, BW/ESE — Well Diameter (I.D.) 4 in.
Anulus Diameter 4¼ in. 0 ft. to 29.2 ft.; 7⅞ in. 29 ft. to 86.5 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 5 GPM — Screen Interval 75.18 ft. to 80.11 ft.; ___ ft. to ___ ft.
Bailer (Type/Capacity) N/A
Water Source RMA — Casing Height (Above G.L.) 1.57 ft.
Measured Well Depth TOC (Initial) 76.60 ft. (Final) 82.9 ft. — Bottom of Screen (Below G.L.) 80.11 ft.

Water Level TOC/Date/Time (Initial) 23.65 / 3-9-88 / 1610
(after 24 hrs.) 36.6 / 4-4-93 / 1215

Feet of Water in Well 53.95 ft. x 0.653 gallons/foot = 35.23 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons — * One Purge Volume 50 gallons
Purge Water Lost N/A gallons — Minimum Purge Volume 350 gallons
Added Water 0 gallons — Total Purge Volume 140 gallons
Casing/Anulus Volume 35.23 gallons — Volume Measured By 55 GALLON BARREL
Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: ORION SA 230 S.N.
pH 7.00 = 7.00 at 9.5 °C, pH 10.00 = 10.00 at 10.1 °C
Conductance Meter Used: YSI MODEL 33 S.N. 2000
Standard 1413 umhos/cm at 25°. Reading 1415 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 53	0933	10.8	8.73	4980	Very cloudy w/ gray silt, fine sand [illegible]
58	0937	11.1	8.00	5040	cloudy w/ [illegible] silt [illegible]
63	0940	11.2	8.12	5100	cloudy w/ [illegible] silt
68	0943	11.0	8.41	5030	cloudy w/ [illegible]
73	0946	12.1	8.57	4040	cloudy w/ [illegible]
Final 77	0949	12.1	8.00	4810	cloudy w/ [illegible]

DEWATERED IN 24 GALLONS

Remarks: Water level = 48.50 0720 [illegible]
Measured total depth = 82.90'

* 1 Purge vol = 35.23 casing
[illegible]
= 21 = 50 gal.

Collected by [signature] 3/14/88
Signature

Checked by ______
Signature

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-71D1 Well 22079

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 3/15/88
Date Installed 1-6-88
Personnel (Name/Company) DW/ESE
BW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11½ in. 0 ft. to 27 ft.
7⅞ in. 27 ft. to 86.5 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) N/A
Screen Interval 75.18 ft. to 86.11 ft.
Bailer (Type/Capacity) 3.85" x 20'
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 1.57 ft.
Measured Well Depth TOC (Initial) 76.60 ft.
Bottom of Screen (Below G.L.) 86.11 ft.
(Final) 87.9 ft.
Water Level TOC/Date/Time (Initial) 22.65 / 3-4-88 / 1610
(after 24 hrs.) 36.6 / 4-4-88 / 1315
Feet of Water in Well 53.95 ft. x .653 gallons/foot = 35.23 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
* One Purge Volume 50 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 250 gallons
Added Water Ø gallons
Total Purge Volume 140 gallons
Casing/Anulus Volume 35.23 gallons
Volume Measured By 55 [illegible] / 5 [illegible]
Surge Technique BAILING

Calibration: pH Meter Used: ORION SA 230 SN 1064
pH 7.00 = 7.00 at 10.3 °C. pH 10.00 = 10.0 at 11.4 °C
Conductance Meter Used: YSI MODEL 32 SN 7003
Standard 1413 umhos/cm at 25°. Reading 1412 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 77	1002	12.4	8.29	5170	very cloudy w/ gray silt sand gray [illegible]
83	1016	12.8	8.56	5030	very cloudy w/ [illegible] silt [illegible]
87	1023	12.5	8.69	5010	very cloudy w/ [illegible] silt [illegible]
92	1030	12.5	8.74	4930	same as above
98	1039	12.5	8.36	4850	[illegible]
Final					[illegible]

Dewatered in 24 gallons / recharge [illegible]

Remarks: Water level = 64.94 Measured total depth = 87.85 (S[illegible])
Tip reading (TOC): 5.7 [illegible]

* 1 Purge vol. 35.23 casing
+ 14.0 sandpack
49.23 => 50 gal.

Collected by [illegible]
Signature

C-250

Checked by
Signature

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-71D1 Well 22079

Project RMA project
Project Number TA Sk 44
Date(s) Developed 3-10-88
Date Installed 1-6-88
Personnel (Name/Company) DW / ESE
3W / ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11¾ in. 0 ft. to 24.2 ft.
7⅞ in. 29 ft. to 86.5 ft.
Rig Used ESE well service truck
Pump (Type/Capacity) N/A
Screen Interval 75.18 ft. to 86.11 ft.
Bailer (Type/Capacity) 3.85' x 2.0'
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 1.57 ft.
Measured Well Depth TOC (Initial) 76.60 ft.
Bottom of Screen (Below G.L.) 86.11 ft.
(Final) 87.9 ft.
Water Level TOC/Date/Time (Initial) 22.65 / 3-4-88 / 1010
(after 24 hrs.) 36.6 / 4-4-88 / 1215
Feet of Water in Well 53.95 ft. x .653 gallons/foot = 35.23 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
* One Purge Volume 50 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 250 gallons
Added Water ⌀ gallons
Total Purge Volume 146 gallons
Casing/Anulus Volume 35.23 gallons
Volume Measured By 5 gal. Bucket
Surge Technique Bailing

Calibration: pH Meter Used: ORION SA 230 SN: 1064
pH 7.00 = 7.00 at 26 °C. pH 10.00 = 10.00 at 50 °C
Conductance Meter Used: YSI model 32 SN 2003
Standard ~~1413~~ 1000 umhos/cm at 25°. Reading ~~1413~~ 1003 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 98	0925	10.6	8.21	5340	cloudy w/ gray silt
103	0938	9.6	8.34	5270	Very cloudy w/ gray silt settles out
108	0955	9.5	8.31	5220	Very cloudy w/ much gray silt settling out
113	1005	10.9	8.41	5150	Very cloudy w/ brown silt settling out
118	1024	10.1	8.62	5090	Very cloudy w/ much gray silt settling out
Final					DW

Remarks: Water level = 65.07 Developed in 2.20 columns but has a 0.20 wetted recharge
Measured TD = 87.9 ... pump in complete

* 1 Purge vol 35.23 casing
14.0 sandpack
49.23 => 50 gal

Collected by [signature] 3/10/88
Signature
Checked by
Signature

C-251

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

SHEET 7 OF 7

WELL DEVELOPMENT DATA

Bore EP-7101 Well 22079

Project RMA ON-POST Project Number TASK 44

Date(s) Developed 3-14-88 Date Installed 1-6-88

Personnel (Name/Company) BW/ESE Well Diameter (I.D.) 4 in.

BW/ESE RC/ESE Anulus Diameter 11 in. 2 ft. to 29 ft.

Rig Used ESE WELL SERVICE TRUCK 7 in. 29 ft. to 86.5 ft.

Pump (Type/Capacity) N/A Screen Interval 75.8 ft. to 86.11 ft.

Bailer (Type/Capacity) 3.85" x 2.0' ___ ft. to ___ ft.

Water Source RMA Casing Height (Above G.L.) 1.57 ft.

Measured Well Depth TOC (Initial) 76.60 ft. Bottom of Screen (Below G.L.) 86.11 ft.

(Final) 87.9 ft.

Water Level TOC/Date/Time (Initial) 22.65 / 3-9-88 / 1610

(after 24 hrs.) 36.6 / 4/4/88 / 1215

Feet of Water in Well 53.95 ft. x .653 gallons/foot = 35.23 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons * One Purge Volume 50 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 250 gallons

Added Water 0 gallons Total Purge Volume 146 gallons

Casing/Anulus Volume 35.23 gallons Volume Measured By 5 gal bucket

Surge Technique Bailing

Calibration: pH Meter Used: ORION SA 230 S/N 1064

pH 7.00 = 7.00 at 37 °C. pH 10.00 = 10.00 at 37 °C

Conductance Meter Used: YSI MODEL 32 S/N 2601

Standard 1413 umhos/cm at 25°. Reading 1411 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 118	0850	10.9	8.02	5210	slightly cloudy, brown silt
128	0907	11.7	8.05	5270	slightly cloudy, brown silt
133	0916	11.7	8.04	5780	cloudy w/ brown silt
140	0925	11.8	8.12	5210	[illegible]
Final 146	0944	11.3	8.51	5030	very cloudy [illegible]
~~Final~~ 3W					

Dewatered in 28 gallons. DEVELOPMENT FINALIZED AFTER 3 CONSECUTIVE SINGLE DEWATERS

Remarks: Water level = 55.22 0830 Begin bailing / 0942 Finish bailing [illegible]

[illegible]

[illegible] recharge [illegible]

* [illegible] casing [illegible] + [illegible] sandpack [illegible] 49.23 => 50 gallons

Collected by [illegible] Signature C-252

Checked by ___ Signature

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0638

WELL CONSTRUCTION SUMMARY

Borehole EP-71 D2 Well 22080
Project Name and Location RMA MW Installation / SE NE Sect. 22 Project Number Task 44
Drilling Company Baylas Bros. Driller Bob Roach Rig Number Failing 1500
Drilling Method(s) Rotary

Borehole Diameter 11 3/4 in. ____ cm. 0 ft. ____ cm. to 91 ft. ____ c
7 7/8 in. ____ cm. 91 ft. ____ cm. to 102 ft. ____ c

Size(s) and types of Bit(s) 11 3/4" blade bit
7 7/8" blade bit
Size and Type PVC 4" Schedule 40
Total Borehole Depth 102.8 ft. ____ cm.
Depth to Bedrock — ft. ____ cm.
Depth to Water — ft. ____ cm.
Water Level Determined By —
Length Plain PVC (total) 97.89 ft. ____ cm.
Length of Screen 5.81 ft. ____ cm.
Total Length of Well Casing 103.70 ft. ____ cm.
PVC Stick Up 2.0 ft. ____ cm.
Depth to Bottom of Screen 101.70 ft. ____ cm.
Depth to Top of Screen 95.89 ft. ____ cm.
Depth to Top of Sand 92.88 ft. ____ cm.
Depth to Top of Bentonite 85.68 ft. ____ cm.

Sampling Method(s) Not Sampled (See EP-71
Date/Time Start Drilling 1-11-88 / 0417
Date/Time Finish Drilling 1-13-88 / 1215
Date/Time Start Completion 1-13-88 / 1345
Date/Time Cement Protective Casing 1-12-88 / 1[illegible]
Materials Used 93.99' 8" Steel casing
Plain PVC 10 sections (97.89') Schedule
Slotted PVC (1) 5' section + endcap = 5.8
Bentonite Pellets 1.5 buckets
Bentonite Granular 7.7 bags (50 lb bags)
Cement 37 bags (94 lb bags)
Sand 1.5 bags (100 lb bags)
Water ~~added~~ circulated during completion ~ 100 gallons
Water added during drilling 0
Total Gallons of water added 0

Drill Site Geologist [signature] Date 01/14/88

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed Weep hole [illegible] Pad [illegible]
Date/Time/Personnel Casing Painted 3/21/88 [illegible]
Date/Time/Personnel Numbers Painted 3/27/88 [illegible]
Materials Used 10 bags [illegible]

Top of Protective Casing to Top of PVC 0.10 ft. ____ cm.
Top of Protective Casing to Weep Hole [illegible] ft. ____ cm.
Top of Protective Casing to Internal Mortar .45 ft. ____ cm.
Top of Protective Casing to Top of Cement Pad [illegible] ft. ____ cm
Top of Protective Casing to Ground Level 2.10 ft. ____ cm

COMMENT/NOTES
8" Steel casing [illegible]

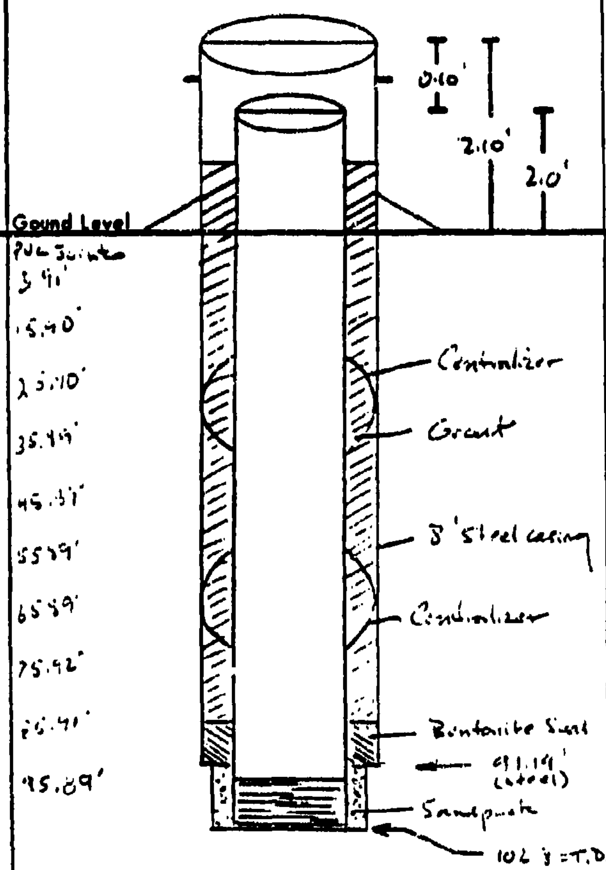
Reviewed By [signature] Date [illegible]
Drill Site Geologist [signature] Date [illegible]

C-

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0630

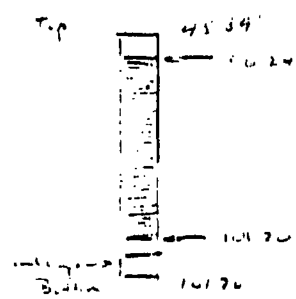
Borehole: EP-71D2　　　Well: 22080

Depth-Feet	Soil/Rock Type	Well Completion	Description
10		3.91'	
20		15.40'	Centralizer @ 30.4'
30		25.10'	
40		35.44'	
50		45.37'	
60		55.39'	Centralizer @ 63.4'
70		65.59'	
80		75.92'	8' steel casing set to 91.14'
90		85.91'	Top of Bentonite = 85.60'
100		95.89'	Top of Sand = 92.83'
110			Top of Screen = 95.84'



Actual Screened interval = 96.2– – 101.20'
Bottom of Screen = 101.72'
Total Borehole depth = 102.3

Screen detail:



Drill Site Geologist: [signature]　　　Date: 11/01/88
Reviewed By: [signature]　　　Date: 11/

C-254

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-71D2 Well 22030

Project RMA ON POST

Project Number TASK 44

Date(s) Developed 3-9-88

Date Installed 1/13/88

Personnel (Name/Company) RR/ESE BW/ESE

Well Diameter (I.D.) 4" in.

Anulus Diameter 11 3/4 in. 0 ft. to 91 ft.
7 7/8 in. 91 ft. to 102 ft.

Rig Used ESE WELL SERVICE TRUCK

Pump (Type/Capacity) ______

Bailer (Type/Capacity) ______

Screen Interval 95.89 ft. to 101.70 ft.
______ ft. to ______ ft.

Water Source RMA

Casing Height (Above G.L.) 2.0 ft.

Measured Well Depth TOC (Initial) 102.5 ft. (Final) 103.85 ft.

Bottom of Screen (Below G.L.) 101.70 ft.

Water Level TOC/Date/Time (Initial) 36.10 / 3-9-88 / 1510 / BW
(after 24 hrs.) 43.7 / 4-4-88 / 1443

Feet of Water in Well 66.4 ft. x 0.653 gallons/foot = 43.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons

Purge Water Lost N/A gallons

Added Water ∅ gallons

Casing/Anulus Volume 43.36 gallons

✗ One Purge Volume 52 gallons

Minimum Purge Volume 256 gallons

Total Purge Volume 139 gallons

Volume Measured By 55 gallon drum

Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: Beckman Φ 21 pH meter S/N 010344

pH 7.00 = 7.02 at 20.0 °C, pH 10.00 = 10.07 at [illegible] °C

Conductance Meter Used: YSI Model 33 S/N 2603

Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	1521	14.6	12.32	6070	Cloudy, no [illegible] [illegible]
[illegible]	1524	13.4	12.16	5200	[illegible]
20	1528	14.0 ~~12.30~~	12.20	5200	[illegible]
30	1537	14.6	12.22	[illegible]	[illegible]
40	1545	14.1	12.40	3720	[illegible]
~~Final~~ 42	1558	15.0	12.37	3770	Clear

Well bailed in 42 gallons Sandpump = 101.70 - Bot of Screen - 95.89 - Top of Screen

Remarks: [illegible] 36.10 [illegible]

[illegible] 1557 [illegible]

✗ 1 Purge vol. [illegible] [illegible]
- 8 gal. [illegible]
51.25

Collected by [illegible]

Checked by ______

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EA 7102 Well 22080

Project RMA ON-POST | Project Number TASK 44

Date(s) Developed 3/10/88 | Date Installed 1/13/88

Personnel (Name/Company) DW/ESE RE/ESE BW/ESE | Well Diameter (I.D.) 4 in.

Anulus Diameter 11 3/4 in. 0 ft. to 91 ft.; 7 7/8 in. 91 ft. to 102 ft.

Rig Used ESE WELL SERVICE TRUCK

Pump (Type/Capacity) GRUNDFOS / 5 GPM | Screen Interval 95.79 ft. to 101.70 ft.; ___ ft. to ___ ft.

Bailer (Type/Capacity) N/A

Water Source RMA | Casing Height (Above G.L.) 2.0 ft.

Measured Well Depth TOC (Initial) 102.5 ft. (Final) 103.45 ft. | Bottom of Screen (Below G.L.) 101.70 ft.

Water Level TOC/Date/Time (Initial) 36.10 / 3-9-88 / 1510

(after 24 hrs.) 43.7 / 4-4-88 / 1443

Feet of Water in Well 66.4 ft. x .653 gallons/foot = 43.76 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons | * One Purge Volume 52 gallons

Purge Water Lost N/A gallons | Minimum Purge Volume 256 gallons

Added Water Ø gallons | Total Purge Volume 159 gallons

Casing/Anulus Volume 43.76 gallons | Volume Measured By 55 GALLON BARREL

Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ 21 SN: 016744

pH 7.00 = 7.10 at 3.3 °C, pH 10.00 = 10.28 at 2.9 °C

Conductance Meter Used: YSI MODEL 33 SN: 7603

Standard 1413 umhos/cm at 25°, Reading 1412 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 42	1430	10.6	12.17	5710	cloudy w/ gray silt, fine sand, small grains [illegible]
(10) 52	1433	9.9	12.06	5180	[illegible] cloudy some fine sand [illegible] grains.
(15) 57	1435	10.02	12.08	5170	slightly cloudy some silt [illegible]
(17) 59	1439	9.3	12.13	5160	[illegible]
Final					

Remarks: Water level = 72.61 Measured well depth = 103.69'
Pump on 1425 / 1438 Pump off DEWATERED IN 17 GALLONS.

* 1 Purge vol. = 43.4 casing vol.
+ 7 sandpack vol.
51.35 => 52 gallons

Collected by [signature] 3-10-88
Signature

Checked by ___
Signature

C-256

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP 71 D2 Well 22080

Project RMA On-Post
Project Number Task 44
Date(s) Developed 3-11-88
Date Installed 1-13-88
Personnel (Name/Company) RR/ESE RW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11 3/4 in. 0 ft. to 91 ft.
7 7/8 in. 91 ft. to 102 ft.
Rig Used ESE Well Service Truck
Pump (Type/Capacity) Grundfos / 5 GPM
Screen Interval 95.56 ft. to 101.70 ft.
ft. to ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 2.0 ft.
Measured Well Depth TOC (Initial) 102.5 ft.
(Final) 103.35 ft.
Bottom of Screen (Below G.L.) 101.70 ft.

Water Level TOC/Date/Time (Initial) 36.10 / 3-9-88 / 1510
(after 24 hrs.) 43.7 / 3-9-88 / 1442

Feet of Water in Well 66.4 ft. x .653 gallons/foot = 43.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
One Purge Volume 52 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 256 gallons
Added Water Ø gallons
Total Purge Volume 137 gallons
Casing/Anulus Volume 43.36 gallons
Volume Measured By 55 Gallon Barrel
Surge Technique Surge / Lower Pump

Calibration: pH Meter Used: Beckman Φ 21 S.N. 016344
pH 7.00 = 7.04 at 13.3 °C. pH 10.00 = 9.9 at [illegible] °C
Conductance Meter Used: YSI Model 32 S.N. 2603
Standard 1413 umhos/cm at 25°. Reading 1411 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 59	1052	10.4	1194	5040	[illegible] Sand [illegible]
(5) 64	1056	10.4	1215	5240	[illegible]
68	1059	10.3	[illegible]	[illegible]	[illegible]
			–		
Final					

Remarks: Water level = 01.37 [illegible]
[illegible] 7 gallons

C-257

[illegible]
Collected by [illegible] [illegible]
Signature
Checked by
Signature

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-7102 Well 22080

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 3-14-88
Date Installed 1-13-88
Personnel (Name/Company) DWW /ESE
BW /ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12 1/4 in. 0 ft. to 91 ft.
7 7/8 in. 91 ft. to 102 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 5GPM
Screen Interval 95.89 ft. to 101.70 ft.
Bailer (Type/Capacity) N.A.
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 2.0 ft.
Measured Well Depth TOC (Initial) 102.5 ft.
(Final) ft.
Bottom of Screen (Below G.L.) 101.70 ft.
Water Level TOC/Date/Time (Initial) 36.10 / 3-9-88 / 1510
(after 24 hrs.) 43.7
Feet of Water in Well 66.4 ft. x .653 gallons/foot = 43.36 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
* One Purge Volume 52 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 256 gallons
Added Water ø gallons
Total Purge Volume 139 gallons
Casing/Anulus Volume 43.36 gallons
Volume Measured By 55 GALLON BARREL
Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: ORION SA 230 SN. 1064
pH 7.00 = ~~10.00~~ 7.00 at 14.0 °C, pH 10.00 = 10.00 at 14.6 °C
Conductance Meter Used: YSI MODEL 72 SN 6003
Standard 1413 umhos/cm at 25°, Reading 1401 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 68	1046	12.7	12.08	6110	mostly clear w/ some brown silt & fine silt
73	1047	12.6	11.60	5040	clear, a few fine sand grains
83	1050	~~12.7~~ 12.5	11.53	4680	clear, no sediment
85	1101	12.5	11.59	4560	very slightly cloudy at this [illegible]
Final					

Remarks: Water level = 65.66 Pump on 1041 / Pump off 1102.
Measured total depth = 103.75

* 1 Purge vol = 43.4 casing vol.
+ sandpack
51.4 ⇒ 52 gallons

Collected by [signature] 3/14/88
Signature

Checked by
Signature

C-258

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore GP-7172 Well 22080

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 3/15/88
Date Installed 1-13-88
Personnel (Name/Company) DLW / ESE
BW / ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11 3/4 in. 0 ft. to 91 ft.
7 7/8 in. 91 ft. to 102 ft.
Rig Used ESE well service truck
Pump (Type/Capacity) N/A
Bailer (Type/Capacity) 3.85" x 2.0
Screen Interval 95.59 ft. to 101.70 ft.
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 2.0 ft.
Measured Well Depth TOC (Initial) 101.5 ft.
(Final) ft.
Bottom of Screen (Below G.L.) 101.70 ft.
Water Level TOC/Date/Time (Initial) 36.10 / 3-4-88 / 1510
(after 24 hrs.)

Feet of Water in Well 66.4 ft. x .653 gallons/foot = 43.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
* One Purge Volume 52 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 256 gallons
Added Water ∅ gallons
Total Purge Volume 103 gallons
Casing/Anulus Volume 43.36 gallons
Volume Measured By 5 gallon bucket
Surge Technique Bailing

Calibration: pH Meter Used: ORION SA 230 S/N 1064
pH 7.00 = 7.00 at 12.1 °C, pH 10.00 = 10.00 at 13.2 °C
Conductance Meter Used: YSI MODEL 32 S/N 2603
Standard 1413 umhos/cm at 25°, Reading 1411 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 85	1137	13.8	11.74	5350	mostly clear, a few white pvc cuttings
90	1144	12.9	11.50	4920	mostly clear w/ some [illegible] slightly white [illegible]
95	1153	13.0	11.59	5000	cloudy w/ [illegible]
100	1217	12.7	11.50	4950	[illegible]
103	1223	12.6	11.45	5550	[illegible]
Final					

Dewatered in 13' gallons

Remarks: Tip reading = 25-35 ppm (Tip) water level = 100.51' [illegible]

X 1 Purge vol. = 43.4 casing vol.
+ 8 annulus vol.
51.4 => 52 gallons

Collected by [signature] 3/15/88
Signature
Checked by
Signature

C-259

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP 71D2 Well 22080

Project RMA ON-POST

Project Number TASK 44

Date(s) Developed 3/16/88

Date Installed 1-13-88

Personnel (Name/Company) BW/ESE
BW/ESE

Well Diameter (I.D.) 4 in.

Anulus Diameter 11 3/4 in. 0 ft. to 91 ft.
7 7/8 in. 91 ft. to 106 ft.

Rig Used ESE WELL SERVICE TRUCK

Pump (Type/Capacity) N/A

Screen Interval 95.77 ft. to 101.70 ft.
ft. to ft.

Bailer (Type/Capacity) 3.85" x 2.0'

Water Source RMA

Casing Height (Above G.L.) 2.0 ft.

Measured Well Depth TOC (Initial) 103.5 ft.
(Final) ft.

Bottom of Screen (Below G.L.) 101.70 ft.

Water Level TOC/Date/Time (Initial) 36.10 / 3-9-88 / 1510
(after 24 hrs.)

Feet of Water in Well 66.4 ft. x .653 gallons/foot = 43.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons

One Purge Volume 52 gallons

Purge Water Lost N/A gallons

Minimum Purge Volume 256 gallons

Added Water Ø gallons

Total Purge Volume 134 gallons

Casing/Anulus Volume 43.36 gallons

Volume Measured By 5 GAL. BUCKET

Surge Technique Bailing

Calibration: pH Meter Used: ORION SA 230 SN 1064

pH 7.00 = 7.00 at 2.2 °C, pH 10.00 = 10.00 at 2.6 °C

Conductance Meter Used: YSI MODEL 32 SN 2003

Standard ~~1413~~ 10.10 umhos/cm at 25°, Reading 1013 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 103	1046	11.1	11.74	5600	mostly clear some suspended bentonite
108	1107	11.1	11.55	5040	slightly cloudy w/ some silt & some suspended bentonite
113	1120	10.3	11.57	5030	somewhat cloudy w/ gray silt - little or none bentonite
117	1132	10.8	11.76	5040	cloudy w/ gray silt some black claystone some suspended bent
Final					

Remarks: Water level = 85.57 ... in 14 gallons - very little / no recharge
Measured TD: 103.74

Collected by [illegible] 3/16/88
Signature

Checked by
Signature

* Purge vol. 234 casing
.5 sandpack
51.4 → 52 gal.

C-260

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

SHEET 7 OF 7

WELL DEVELOPMENT DATA

Bore EP-7102 Well 22080

Project RMA ON-POST — Project Number TASK 44
Date(s) Developed 3/18/88 — Date Installed 1-13-88
Personnel (Name/Company) DLW, RR, BW (ESE) — Well Diameter (I.D.) 4 in.
Anulus Diameter 11 3/4 in. 0 ft. to 91 ft.; 7 7/8 in. 91 ft. to 102 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) N/A — Screen Interval 95.84 ft. to 100.70 ft.; ft. to ft.
Bailer (Type/Capacity) 3.85" x 2.0'
Water Source RMA — Casing Height (Above G.L.) 2.0 ft.
Measured Well Depth TOC (Initial) 102.5 ft. (Final) ft. — Bottom of Screen (Below G.L.) 100.70 ft.
Water Level TOC/Date/Time (Initial) 36.10 / 3-4-88 / 1510
(after 24 hrs.)
Feet of Water in Well 66.4 ft. x .653 gallons/foot = 43.36 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons — One Purge Volume 52 gallons
Purge Water Lost N/A gallons — Minimum Purge Volume 256 gallons
Added Water 0 gallons — Total Purge Volume 139 gallons
Casing/Anulus Volume 43.36 gallons — Volume Measured By 5 GALL. BUCKET
Surge Technique BAILING
Calibration: pH Meter Used: ORION SA 230 SN 1004
pH 7.00 = 7.00 at 11.4 °C. pH 10.00 = 10.00 at 11.7 °C
Conductance Meter Used: YSI MODEL 32 SN 2007
Standard 1413 umhos/cm at 25°. Reading 1412 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 117	0959	12.6	11.39	4840	clear
122	1010	12.7	11.49	4910	Clear
130	1038	12.9	11.63	4670	Slightly cloudy w/ some suspended sediment settles
Final 139	1104	12.6	11.95	5630	Cloudy w/ suspended sediment & settled ...
Final					

FINALIZED DEVELOPMENT AFTER 3 CONSECUTIVE STABLE DEWATERINGS

Remarks: Water level = 76.45 (TOC) Dewatered in 22 gallons
measured well depth = 103.72 (TOC)
[illegible]

Collected by [signature] 3/18/88
Signature

Checked by
Signature

C-261

EP-72

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

BOREHOLE SUMMARY LOG

Borehole EP-72 Well

Project Name and Location MW Installation X Project Number Task 44

Drilling Company Boyles Driller B. Koach Rig Number Failing 1500

Drilling Method(s) continuous core

Size(s) and type(s) of bit(s) 3 7/8" tricone bit, 12 1/4" auger

Borehole Diameter 12 1/4 in. ____ cm. 0 ft. ____ cm. to 13.5 ft. ____ cm.

3 7/8 in. ____ cm. 13.5 ft. ____ cm. to 129 ft. ____ cm.

Sampling Methods core

Total Number Soil Sampling Tubes —

Total Number Core Boxes 11

Number of Gallons Lost Drilling Fluid 150

Date/Time Started Drilling 7·28·87 1010

Date/Time Completed Drilling 7·30·87 1054

Total Borehold Depth ____ ft. ____ cm.

Depth to Bedrock 10.5 ft. ____ cm.

Depth to Water — ft. ____ cm.

Water Level Determined By? —

Borehole Completed as Monitoring Well? NO

Date/Time Grouting Completed 7·31·87 0751

Depth of Tremmie Pipe 125'

Gallon of Grout 90

Material Used 7 bags cement, 90 gals. water, 1 bag bentonite

Comments Hole grouted to surface

Wellsite Geologist C D Peyson Date 7·30·87

Checked for Grout Settlement on 8/5/87 by Steve Pace

Amount of Grout Added none needed

All Measurements from Ground Level

Reviewed by Steve Pace Date 8/19/88

Drill Site Geologist ____ Date ____

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0020

Borehole: EP-72A Well Number:

Depth-Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
1'	1 / 0.0'-2.0'	1.9'/2.0'	SAME AS TUBE NUMBER	SAME AS TUBE INTERVAL	CL	Clay, 30% silt, 10YR 4/4, dark yellowish brown, dry, stiff, low plastic ↓ ↓ ↓
2' – 3'	2 / 2.0'-4.0'	1.85'/2.0'			CL	Clay, 15% silt, 10YR 6/4, light yellowish brown, dry, stiff, low plastic, calcareous porous ↓ ↓ ↓
4' – 5'	3 / 4.0'-6.0'	1.5'/2.0'			SM	Silty Sand, 15% silty fine to medium grained sand, 3% coarse sand, 2.5Y 5/6, light olive brown, dry, medium dense, nonplastic
5' – 6'					CL	Clay, 20% sand, fine to coarse grained sand, 10YR 4/4, dark yellowish brown, dry, stiff medium plastic, very calcareous (calc veins) sand grain size increase at 6.0' to very coarse sand and small gravel
7'	4 / 6.0'-8.0'	1.6'/2.0'			CL	~~Clay, 25%~~ sand; medium to very coarse grained sand, 5% small gravel, 10YR 8/4, very pale brown, dry, stiff, medium plastic, very calcareous, porous
8'					SM	Silty SAND, 20% silt, 10% small gravel, fine to very coarse grained SAND, 10YR 5/4, yellowish brown, dry, med. dense, nonplastic, very calcareous, 1/4" CaCO₃ [illegible]
9'	5 / 8.0'-10.0'	2.0'/2.0'			CL	Clay, 20% silt, 15% Sand, fine to coarse grained, 5% small gravel, 10YR 8/3, very pale brown, dry, stiff, medium plastic very calcareous
10'	6 / 10.0'-12.0'	2.0'/2.0'			CL	Clay, 05 Sand, fine to coarse grained, 10YR 4/4 dark yellowish brown, dry, stiff, medium plastic, very calcareous CaCO₃ nodules (20%)

Drill Site Geologist: Steve Pace Date: 7/22/87

C-264

Reviewed By:

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0630

SHEET 2 OF ____

Borehole: EP-72A Well Number: ____

Depth-Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
10.5					CL	clay (see pg 1)
11	6 / 10.0'-12.0'	2.0'	SAME AS TUBE NUMBER	SAME AS TUBE INTERVAL		Claystone bedrock, 5Y 4/2, olive grey, hard, moist, medium plastic, very calcareous, 1/4" to 1/2" $CaCO_3$ nodules
12 / 13	7 / 12.0'-13.3'	1.3' / 1.3'				
						TOTAL DEPTH 13.3'

Drill Site Geologist: Steve Paris Date: 7/22/87

C-265

Reviewed By: ____ Date: ____

ESE, Inc. CORE LOG By CDB Date 7-3-81 BORE EP72 Well(s) ______ Page 1 of 6

Depth	Rec/Int	Structure/Bedding	Mineralogy	Color	Lith Class	Description/Comments
						Hole cased to 13.5, bedrock at 10.5 Alluvium dry
13.5 – 21.6	2.0/3.5; 3/5	massive	qtz 85%, musc 5%, feld staining punctate	2.5Y 6/4 lt. yellowish brown	SS	SANDSTONE poorly cemented/friable
						5' ss
21.6 –	4.2/5; 5/5	fracs. 1-3/1'; 1 to core axis	FeOx + MnO on fracs	2.5Y 5/2 grayish brown	21.6 CL	CLAYSTONE occas. lithic frags. (rounded)

21.6
13.5
8.1

8.1' ss
2.4'

C-266

EP-72 B WELL(S)

E, Inc.

CORE LOG By ___ Date ___ BORE ___ Well(s) ___ Page 2 of

RQD	Depth	Rec Int	Weathering	Structure / Bedding Angle	Desc	Hardness	Perm	Mineralogy Min / Mottl	Color	Texture / Grain Size	Lith Char	Lith Class	Description / Comments (Scale 1" = 2 ft)
	34	2/5			Massive (fracs: 1-2 / 1')			FeOx stains on fracs; MnO also occurs	2.5Y 5/2 grayish brown			CL	CLAYSTONE
	36												
	38												
②		2/5											
	40												
	42				Finely laminated			FeOx present	2.5Y 6/4 olive yellow; 2.5Y 5/2; 2.5Y 6/4 olive yellow		41' clay 10%; 42'; 42.6'	SS; CL; SS	SANDSTONE; claystone / interbed-
	44	2/5						FeOx & MnO stains	2.5Y 5/2 grayish brown		43	CL	CLAYSTONE
	46												
	48	2/2			fractures common ↓ rock well ind. & fairly incompetent						48' silty 5%; 49'		slightly silty - 5%
③	50	4/11											

WELL(S) EP-72

E, Inc.

C-267

ESE, Inc. CORE LOG By [illegible] Date [illegible] BORE EP-7 Well(s) ____ Page [illegible]

Depth (ft)	% Rec	Structure / Bedding	Hardness	Perm	Mineralogy	Color	Texture / Grain Size	Lith Chng	Lith Class	Description / Comments (Scale 1": 2 ft)
		massive, 1-2 fracs 1'			FeOx staining in fracs.	2.5Y 5/2 grayish brown				CLAYSTONE
54	1/1	54.2 gouge ?; 54.7								clayey - Fault gouge (?)
56										
58	5/5				gypsum (2%)					
					calc nodules in rock					
60	(4)									
62	4.2/5				oxides, Fe stain (rusty orange nodules or cavings)					
64		64.5 gouge; 64.7								clayey - Fault gouge
		massive				2.5Y N3/0 very dark gray				approx. oxidation boundary
66	5/5				chn frags					
68	(5)							68.5 silty 30%	SS	SANDSTONE
70		bdg irregular mottled						70.9	CL	CLAYSTONE

WELL(S) EP-72

C-268

Depth (ft/m)	Core Rec / Int	Weath	Structure / Bedding (Angle, Desc)	Hardness	Perm	Mineralogy (Min, Habit)	Color (M, G)	Texture / Grain Size	Lith Char	Lith Class	Description / Comments (Scale 1" = 2 ft)
74	5/5		Massive				2.5Y N5/0 gray		silty 10% (74–75)	CL	CLAYSTONE
76											
78	4.1/5										
80	(C)										
82	4.2/5					Carbon pervasive 30%	2.5Y N3/0 very dk gray				
84						cln 10%	2.5Y N5/0 gray		83.9 clay 10% 85	SS	sandstone interbed with Clay nodules
86	4/4		Units of darker gray clay - 1/2" thick								
88											
90	(7) 4.4/5										

WELL(S) EP-72

E, Inc.

Box no.	Depth	Rec Int	Structure / Bedding Angle	Structure / Bedding Desc	Hardness	Perm	Mineralogy Min	Mineralogy Habit	Color (M)	Texture / Grain Size	Lith Char	Lith Class	Description / Comments CM (Scale 1" = 2 m)
				massive			cbn 5%		2.5y N4/0 dark gray		92' silty 5% 93.5	CL	CLAYSTONE
	94												
	96	4.8/5											
	98												
	100												
		5/5											
8	102						cbn frags						
											103' sand 5% 104'	ST	SILTSTONE INTERBED SANDY
	104												
	106	5/5		cbn vn lt ⊥ to core axis 1/8"							106'	VC	VOLCANICLASTIC ? Claystone, clay-stone, lithic fragments, and Kspar (?)
	108						cbn frags 2%		2.5y N6/0 lt gray		108' silty 5% carbon 5%	SS	SANDSTONE
9	110	5/5		Finely bedded ⊥ to core axis							silt 10%		"clean" sandstone - fine, even texture, etc

BOre Ep-32 WELL(S) Inc.

C-270

ESE, Inc. CORE LOG By ___ Date ___ BORE ___ Well(s) ___ Page ___ of ___

Depth	Mineralogy	Color	Lith Char	Lith. Class	Description / Comments (CM (Scale 1": 2 ft))
112–114	cbn frags 2%	2.5Y N6/0 gray-lt gray	silty ~15% silt	SS	SANDSTONE
114				114'	— texture change
116			silt 10%	116.5	— texture change
118	cbn 20%	2.5Y N3/0 v dk gray			
119–121	cbn 2%	2.5Y N4/0 gray-lt gray			
122–124	cbn 10% (lg frags)	2.5Y N4/0 dk gray			
124.5				124.5 CL	CLAYSTONE
126			silty 2%		
128			sand-silt 10%	128'	
129					Total Depth 129'

Depth column: 114, 116, 118, 120, 122, 124, 126, 128, 129

Structure / Bedding: slicks at 45° to core axis

Run/Rec: 5/5 (run 10: 4/5), (11) 5/5

CP-72 WELL(S)

B. Inc.

C-271

Frontier Logging
Lakewood, Colorado

Company: ESE
Hole No.: EP-72
Location: RMA
County: ADAMS COUNTY | State: COLORADO
Log Measured From: Ground Level

Date	JULY 30, 1987
Driller Depth	130 FT
Bit Size	3 7/8"
Casing Driller	13 FT
Fluid	Water + Native Mud
Drilling Measured From	Ground Level
Time	1130
Time	1255
Unit No	110
Operator	Wm. Linton
Location	Lakewood

EQUIPMENT DATA

T D Logger	95 and 130
Natural Gamma	200 Scale = 20 CPS per inch
Time Constant	2
Logging Speed	15
Probe No	103-1041
Probe Diameter	1 5/8"
Detector Type / Size	xtal 3/4 x 1 1/4"
K Factor	1.60×10^{-5}
Dead Time	7
Water Factor	1.10
Hole Size	3 7/8"
Casing Factor	
Resistance	Ohms per 5 inches
SP	MV per inch

NATURAL GAMMA RECORD (ANALOG)

0-95 FT open hole log

93-130 FT open hole log
thru pipe to 93 FT

Gamma (Analog)
Gamma (Digital)
Caliper
Temperature

DIRECTIONAL DATA

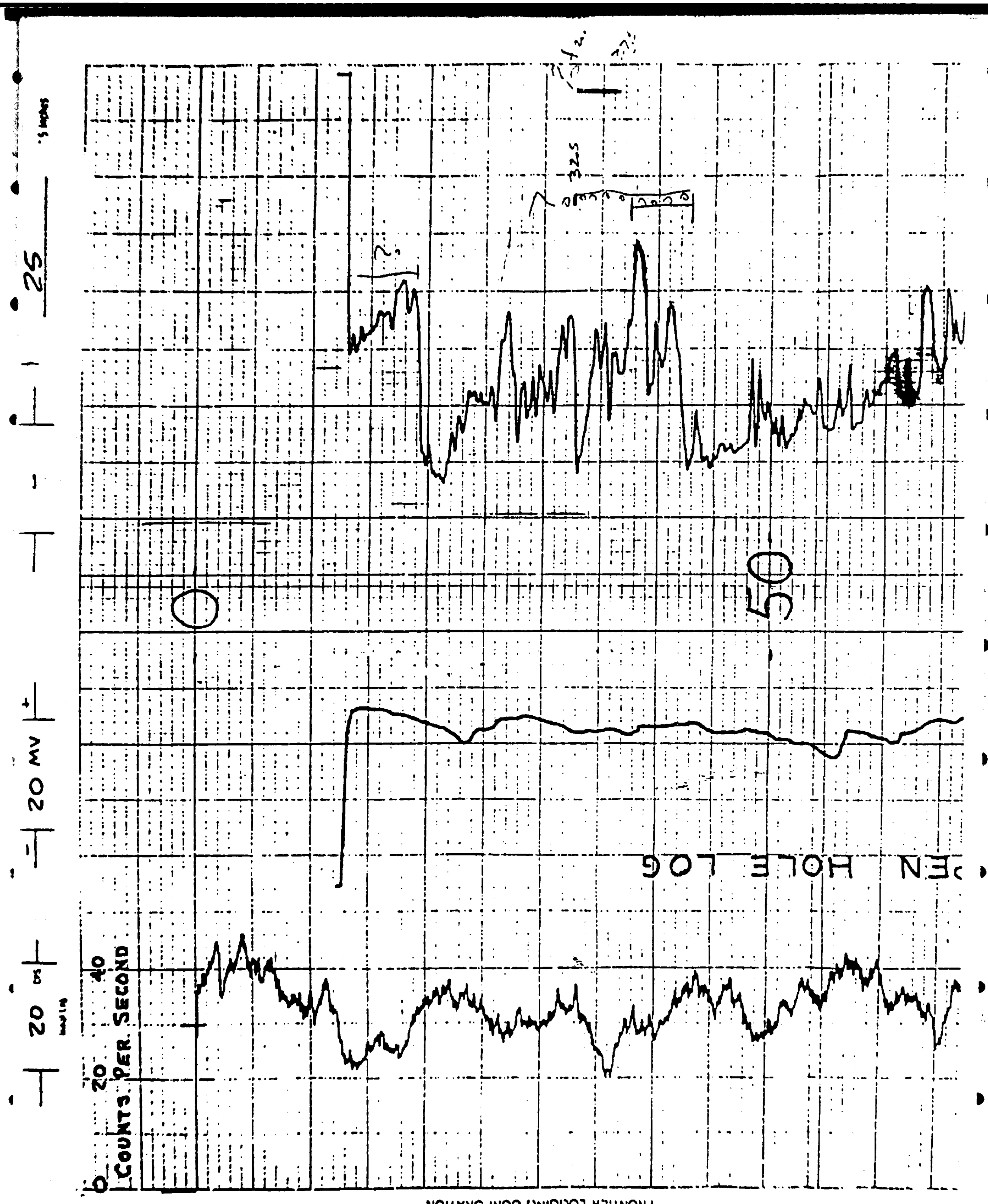
Closure
Azimuth
True Vertical
Survey Depth

Density Source No
Type
Strength
CPS/inch
Neutron Source No
Type
Strength
CPS/inch

NATURAL GAMMA: 20 CPS
S.P.: − 20 MV +
RESISTANCE: 25 OHMS/ 5 inches

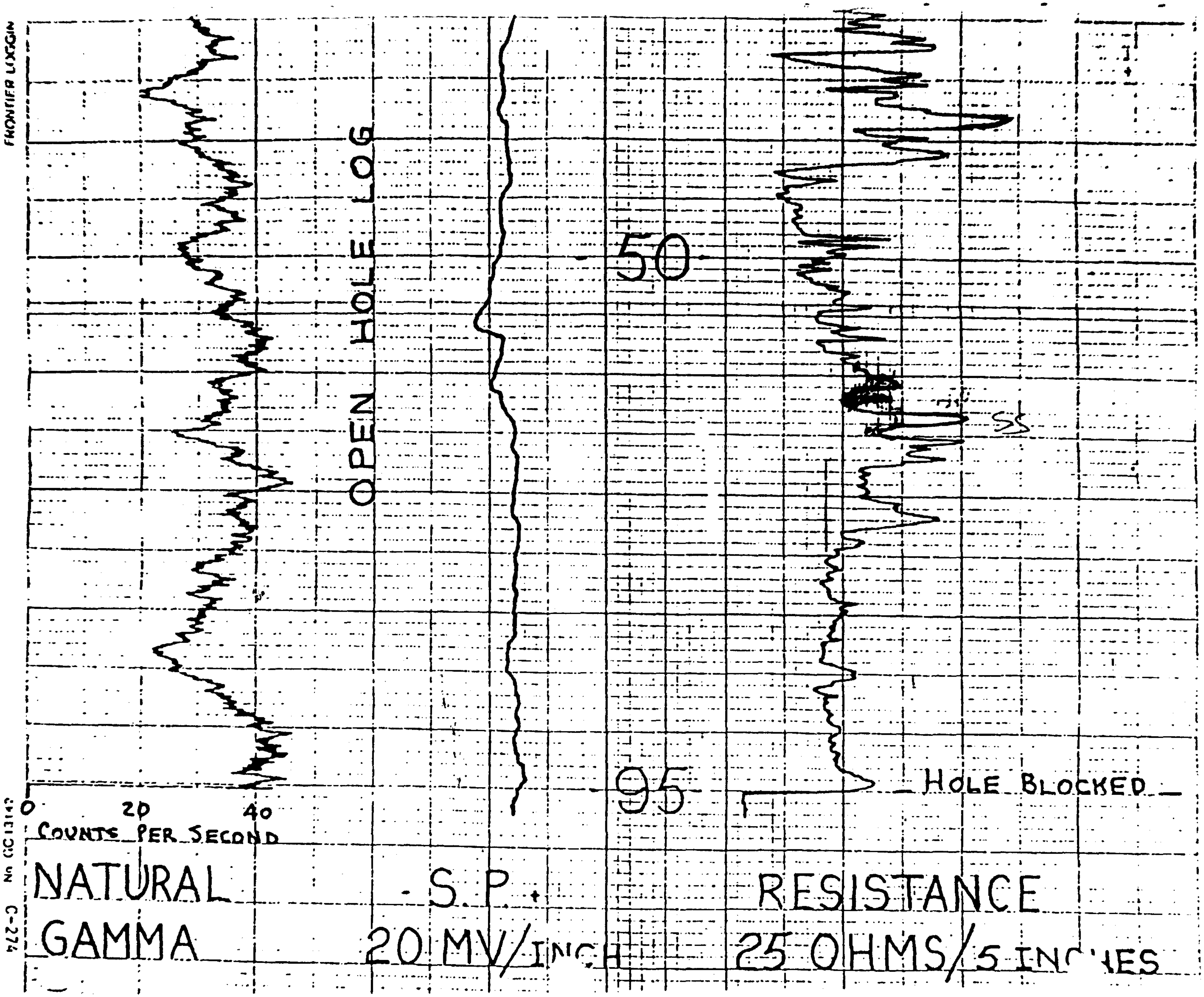
C-272

BEST AVAILABLE COPY

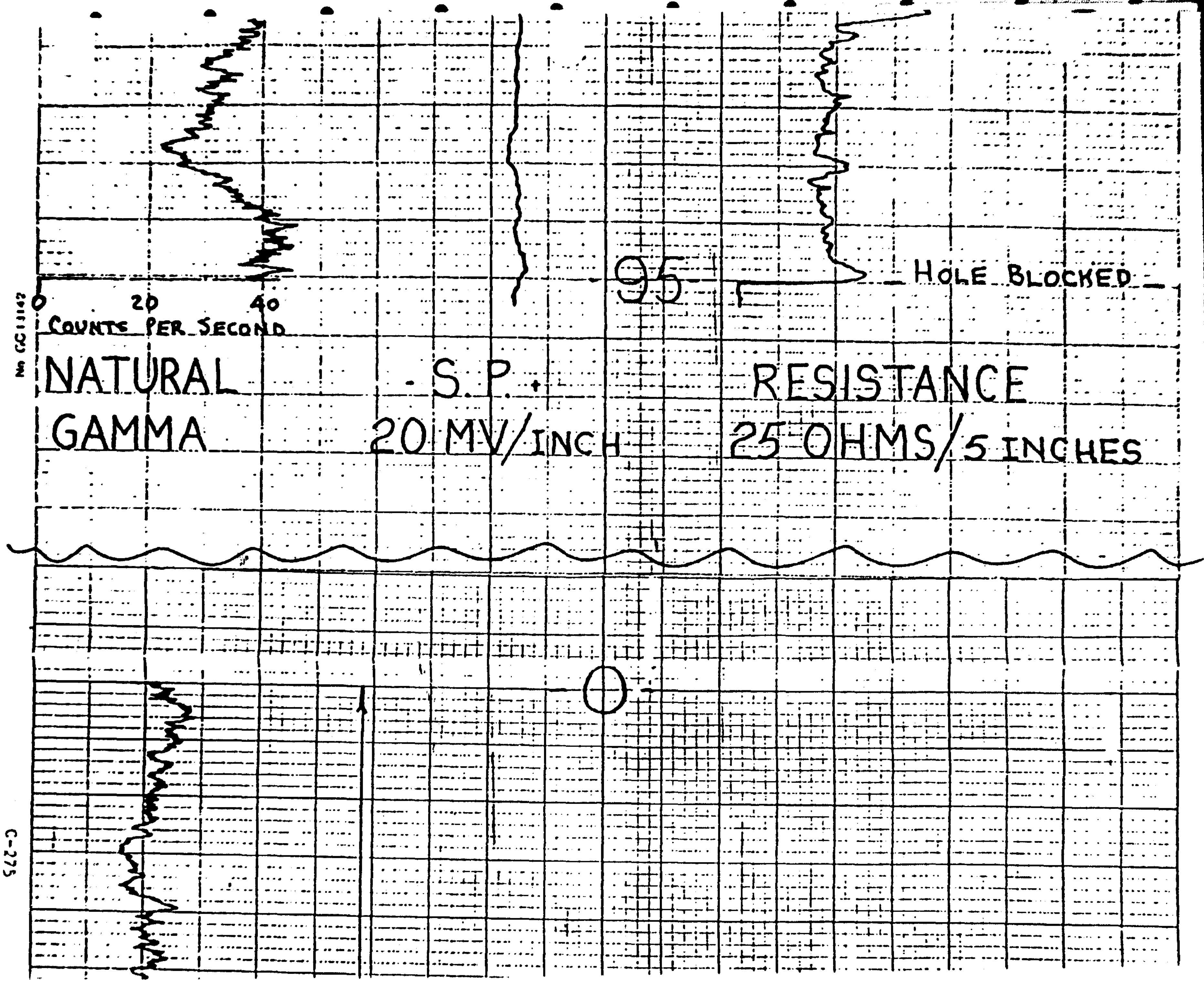


C-273

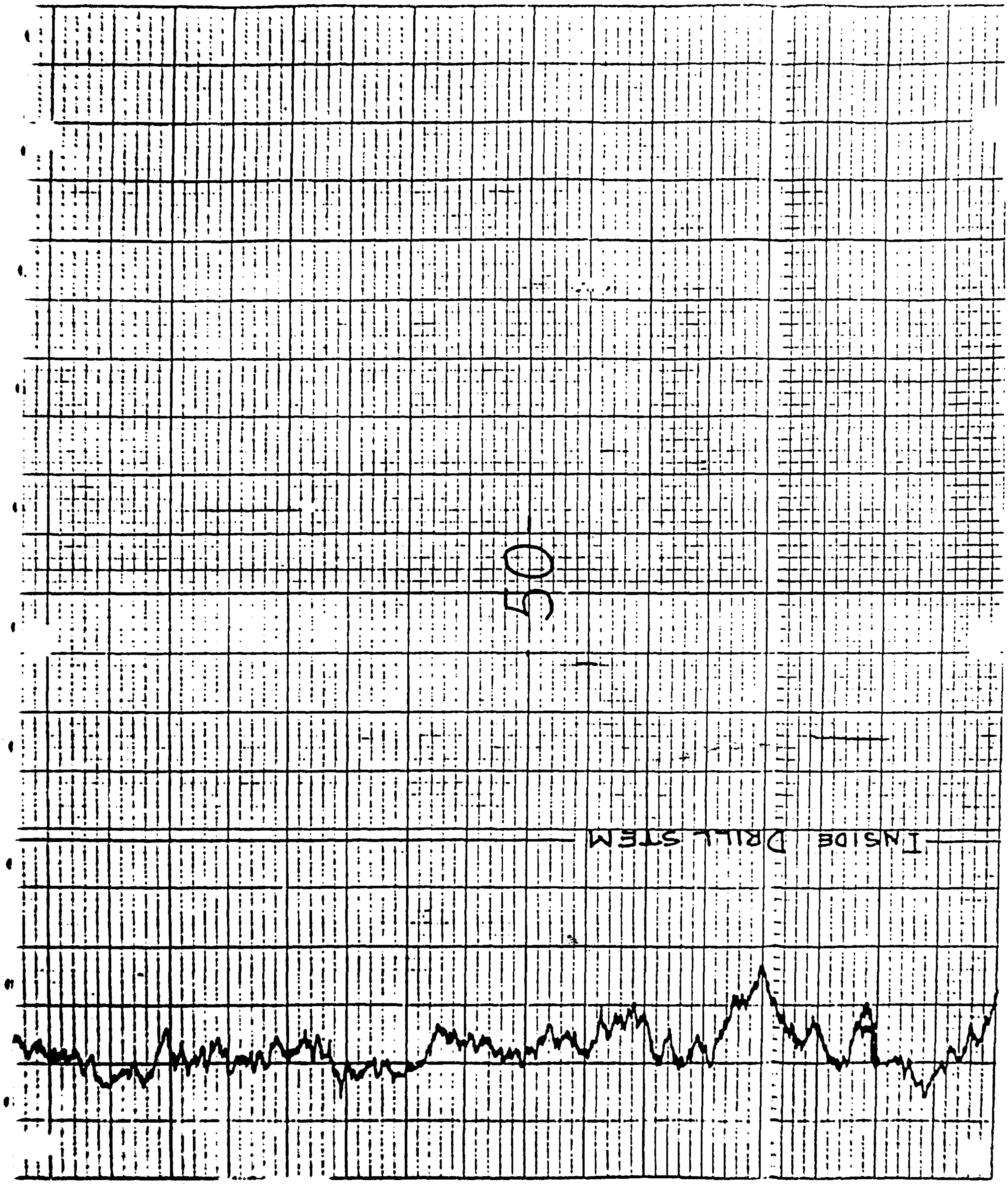
BEST AVAILABLE COPY



BEST AVAILABLE COPY

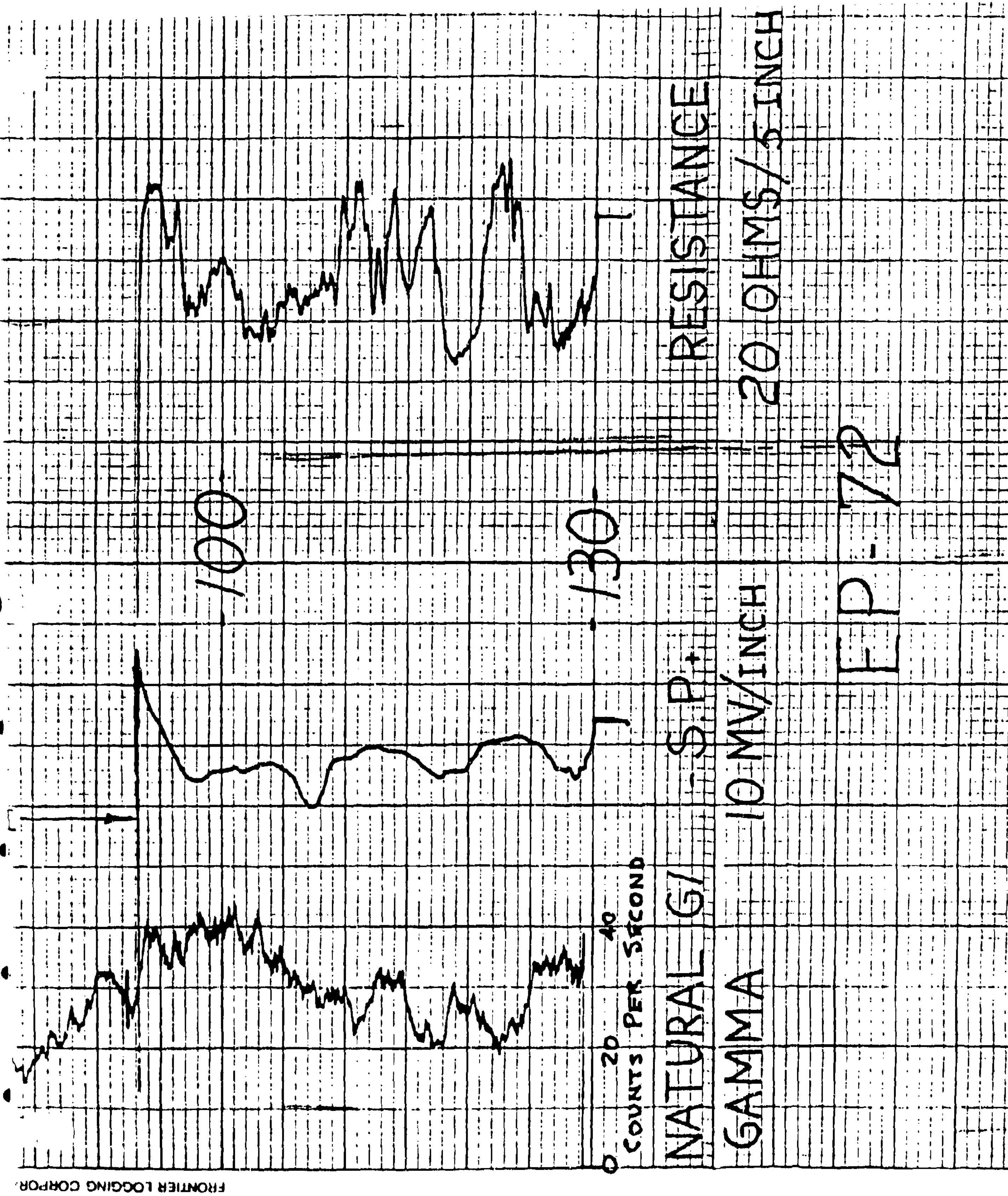

HOLE BLOCKED
95
0
20
40
COUNTS PER SECOND
NATURAL
GAMMA
S.P.
20 MV/INCH
RESISTANCE
25 OHMS/5 INCHES
0

C-275



C-276

BEST AVAILABLE COPY



RESISTANCE
20 OHMS/5 INCH
100
130
NATURAL G/ S.P. +
10 MV/INCH
GAMMA
EP-72
0
20
40
COUNTS PER SECOND
FRONTIER LOGGING CORPOR.

ESE 7333 SOUTH ALTON WAY • SUITE H-1 ENGLEWOOD, COLORADO 80112 • 303/741-0650

WELL CONSTRUCTION SUMMARY

Borehole EP 72 01 Well

Project Name and Location Task 44 Section 22 Woc Dewater Wells Project Number 17053 08610

Drilling Company Bowles Bros Driller Don Zamias Rig Number

Drilling Method(s) 12 1/4 OD Hollow stem auger

Borehole Diameter 12 1/4 in. ____ cm. 0 ft. ____ cm. to 22.4 ft. ____ cm.

____ in. ____ cm. ____ ft. ____ cm. to ____ ft. ____ cm.

Size(s) and types of Bit(s)

Size and Type PVC 4" .020 slot

Total Borehole Depth 22.4 ft. ____ cm.

Depth to Bedrock 10.5 ft. ____ cm.

Depth to Water 8.5 ft. ____ cm.

Water Level Determined By Previous Sampling

Length Plain PVC (total) 18.23 ft. ____ cm.

Length of Screen 5.86 ft. ____ cm.

Total Length of Well Casing 22.4 ft. ____ cm.

PVC Stick Up 1.69 ft. ____ cm.

Depth to Bottom of Screen 22.4 ft. ____ cm.

Depth to Top of Screen 8.34 ft. ____ cm.

Depth to Top of Sand 11.7 ft. ____ cm.

Depth to Top of Bentonite 6.5 ft. ____ cm.

Sampling Method(s) —

Date/Time Start Drilling 9/22/87 1440

Date/Time Finish Drilling 9/22/87 1617

Date/Time Start Completion 9/23/87 0745

Date/Time Cement Protective Casing 9/23/87 1001

Materials Used

Plain PVC 3-10'

Slotted PVC 1-5'

Bentonite Pellets 5 BUCKETS

Bentonite Granular 30 lbs

Cement 4 BAGS

Sand 6.5 BAGS

Water added during completion 10 gals to swell bent.

Water added during drilling 5

Total Gallons of water added 15

Drill Site Geologist [signature]

Date 9/23/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed

Date/Time/Personnel Casing Painted

Date/Time/Personnel Numbers Painted

Materials Used

Top of Protective Casing to Top of PVC ____ ft. ____ cm.

Top of Protective Casing to Weep Hole ____ ft. ____ cm.

Top of Protective Casing to Internal Mortar ____ ft. ____ cm.

Top of Protective Casing to Top of Cement Pad ____ ft. ____ cm.

Top of Protective Casing to Ground Level ____ ft. ____ cm.

COMMENT/NOTES

Reviewed By

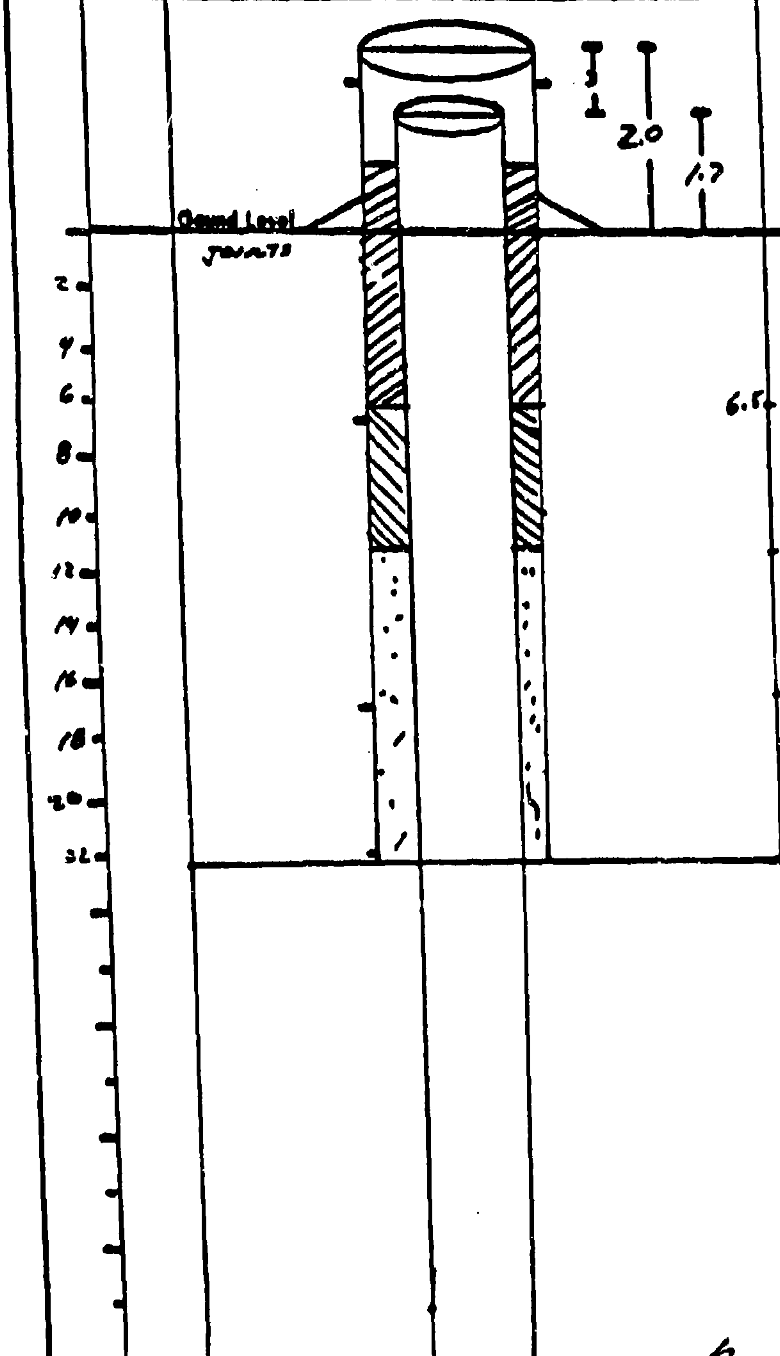
Drill Site Geologist

C-278

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0080

Borehole: EP-72 01 Well: ____

Depth-Feet	Soil/Rock Type	Well Completion	Description



6.5 Top of Bentonite

11.7 Top of Sand

16.54 Top of Screen

22.4 Total Depth

Drill Site Geologist: [signature] Date: 9/23/87
Reviewed By: ____ Date: ____

ESE 7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-72-01 Well 23229

Project RMA ON POST
Project Number Task 44
Date(s) Developed 12-22-87
Date Installed 092387
Personnel (Name/Company) WTV/ESE ABW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter ___ in. ___ ft. to ___ ft.
___ in. ___ ft. to ___ ft.
Rig Used Well Service Truck
Pump (Type/Capacity) Grundfos 26 gpm
Screen Interval ___ ft. to ___ ft.
___ ft. to ___ ft.
Bailer (Type/Capacity) ___
Water Source RMA
Casing Height (Above G.L.) ___ ft
Measured Well Depth TOC (Initial) 24.08 ft. (Final) ___ ft.
Bottom of Screen (Below G.L.) 22.4 ft.
Water Level TOC/Date/Time (Initial) 24.21'/12-22-87/1410 DRY WELL
(after 24 hrs.) ___
Feet of Water in Well 0' ft. x ___ gallons/foot = ___ gallons casing/anulus volume
Drilling Fluid Lost ___ gallons
One Purge Volume ___ gallons
Purge Water Lost ___ gallons
Minimum Purge Volume ___ gallons
Added Water ___ gallons
Total Purge Volume ___ gallons
Casing/Anulus Volume ___ gallons
Volume Measured By ___
Surge Technique ___

Calibration: pH Meter Used: ___
pH 7.00 = ___ at ___ °C, pH 10.00 = ___ at ___ °C
Conductance Meter Used: ___
Standard ___ umhos/cm at 25°, Reading ___ umhos/cm at ___ °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial					
Dry Well					
Final					

Remarks: ___

Collected by Walt Vassar 12-22-87
Signature

C-280

Checked by ___
Signature

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7232 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-6690

WELL CONSTRUCTION SUMMARY

Borehole EP-72-82 Well ____

Project Name and Location Tinker [illegible] Wells Project Number [illegible]

Drilling Company Boyles Bros Driller [illegible] Rig Number 5445

Drilling Method(s) Rotary

Borehole Diameter 12¼ in. ____ cm. Surface ft. ____ cm. to 106.19 ft. ____ cm.
7⅞ in. ____ cm. Surface ft. ____ cm. to ____ ft. ____ cm.

Size(s) and types of Bit(s) 12¼ blade bit
7⅞ blade bit

Size and Type PVC 4" .020 slot

Total Borehole Depth 122.54 ft. ____ cm.

Depth to Bedrock [illegible] ft. ____ cm.

Depth to Water 16.5 ft. ____ cm.

Water Level Determined By [illegible]

Length Plain PVC (total) [illegible] ft. ____ cm.

Length of Screen [illegible] ft. ____ cm.

Total Length of Well Casing 125.24 ft. ____ cm.

PVC Stick Up 1.7 ft. ____ cm.

Depth to Bottom of Screen 123.54 ft. ____ cm.

Depth to Top of Screen 112.67 ft. ____ cm.

Depth to Top of Sand 102.4 ft. ____ cm.

Depth to Top of Bentonite 101.0 ft. ____ cm.

Sampling Method(s) n/a

Date/Time Start Drilling [illegible] 1440

Date/Time Finish Drilling [illegible] 1037

Date/Time Start Completion [illegible] 1037

Date/Time Cement Protective Casing [illegible] 1037

Materials Used ____

Plain PVC 12 10' sticks

Slotted PVC 1 10' stick

Bentonite Pellets 1 bucket

Bentonite ~~Granular~~ Powder 170 lbs

Cement 14 bags

Sand 4 bags

Water added during completion Ø

Water added during drilling Ø

Total Gallons of water added Ø

Drill Site Geologist [signature]

Date 9/28-30/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed ____

Date/Time/Personnel Casing Painted ____

Date/Time/Personnel Numbers Painted ____

Materials Used ____

Top of Protective Casing to Top of PVC ____ ft. ____ cm.

Top of Protective Casing to Weep Hole ____ ft. ____ cm.

Top of Protective Casing to Internal Mortar ____ ft. ____ cm.

Top of Protective Casing to Top of Cement Pad ____ ft. ____ cm.

Top of Protective Casing to Ground Level ____ ft. ____ cm.

COMMENT/NOTES

____

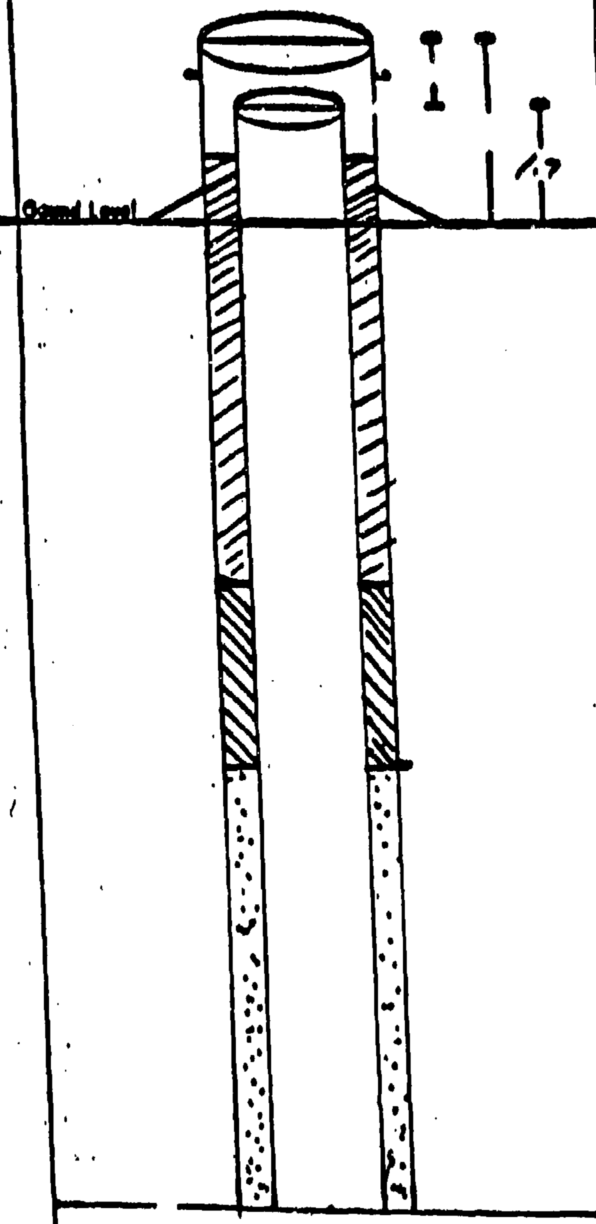
Reviewed By ____

Drill Site Geologist ____

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-8888

Borehole: EP-93-92

Well:

Depth-Feet	Soil/Rock Type	Well Completion	Description
			
90			STRAIGHTEN AT 97.5 / 37.5 / 7.0
92			
94			
96			
98			
100			101 TOP OF BENTONITE
102			
104			
106			
108			107.4 TOP OF SAND
110			
112			112.47 TOP SCREEN
114			
116			
118			
120			
122			
124			123.54 TD

C-282

Drill Site Geologist: Date:

Reviewed By: Date:

ESE 7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

SHEET 1 OF 5

WELL DEVELOPMENT DATA

Bore EP-~~1~~2(WN) D2 Well 23230

Project RMA ON POST
Project Number Task 44
Date(s) Developed 12/16-87
Date Installed 092787
Personnel (Name/Company) WN /ESE
TDM / ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter $12\frac{1}{4}$ in. 0 ft. to 106.14 ft.
$7\frac{7}{8}$ in. 106.14 ft. to 123.54 ft.
Rig Used Well Service Truck
Pump (Type/Capacity) Grundfos (7 gpm)
Screen Interval 112.69 ft. to 122.54 ft.
Bailer (Type/Capacity) ____ ft. to ____ ft.
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) ~~125.44~~ 125.39 ft. WN
Bottom of Screen (Below G.L.) 122.54 ft.
(Final) ____ ft.

Water Level TOC/Date/Time (Initial) 43.76 / 12-16-87 / 0910
(after 24 hrs.)

Feet of Water in Well 81.63 ft. x 0.653 gallons/foot = ~~43.11~~ 53.3 (DW) gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
* One Purge Volume DW ~~56.86~~ ~~(60)~~ 70 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume DW ~~284.3~~ ~~(300)~~ 350 gallons
Added Water 0 gallons
Total Purge Volume 263 gallons
Casing/Anulus Volume DW ~~43.11~~ 53.3 gallons
Volume Measured By 55 gal. drums
DW ~~13.75~~ 14.0
67.3
Surge Technique raise & lower pump

Calibration: pH Meter Used: Beckman Phi 21 SN 015883
pH 7.00 = 7.10 at 3.8 °C. pH 10.00 = 10.27 at 3.6 °C
Conductance Meter Used: YSI Model 32
Standard 1413 umhos/cm at 25°, Reading 477 umhos/cm at 6.5 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	09:53	3.5	12.50	1915	Milky gray, v.s. silty
20	10:11	10.1	10.83	440	~~pretty much~~ clear, ~~some~~ silt
Final					

* 1 Purge volume = 53.3 casing
+ 13.75 sand
67.05
⇒ 70 gallons

Remarks: 10:00 ip: 2.0 in 55 gal drum, 0.1 in breathing zone.
Pumping rate measured by 5 gal. bucket = 1.2 gpm

Sand pack height
16.14 X 0.852 = 13.75 gal. sand pack vol.

123.54
− 107.4
16.14 ft.

Collected by Walt Vasser Signature 12-16-87
Checked by [signature] Signature 2/15/88

C-283

WELL DEVELOPMENT DATA

Bore EP-72-02 Well ~~??~~ 23230

Project RMA ON POST
Project Number TSK 44

Date(s) Developed 12-18-87
Date Installed 092787

Personnel (Name/Company) WN/ESE TOM/ESE
Well Diameter (I.D.) 4 in.

Anulus Diameter 12¼ in. 0 ft. to 106.19 ft.; 7⅞ in. 106.19 ft. to 123.54 ft.

Rig Used Well Service Truck

Pump (Type/Capacity) 7 gpm Grundfos
Screen Interval 113.17 ft. to 123.54 ft.; ____ ft. to ____ ft.

Bailer (Type/Capacity) ____

Water Source RMA
Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 125.39 ft. (Final) ____ ft.
Bottom of Screen (Below G.L.) 123.54 ft.

Water Level TOC/Date/Time (Initial) 43.76 /12-16-87 /0910

(after 24 hrs.) ____

Feet of Water in Well 81.63 ft. x 0.653 gallons/foot = ~~43.44~~ 53.3 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
One Purge Volume ~~56.96 (60)~~ 70 gallons

Purge Water Lost N/A gallons
Minimum Purge Volume ~~284.5 (300)~~ 350 gallons

Added Water ∅ gallons
Total Purge Volume ____ gallons

Casing/Anulus Volume ~~43.44~~ 53.3 gallons + 13.75 = sandpack
Volume Measured By 55 gal drum

Surge Technique raise & lower pump

Calibration: pH Meter Used: Beckman Phi 21 SN: 015883

pH 7.00 = 7.08 at 6.3 °C, pH 10.00 = 10.23 at 6.4 °C

Conductance Meter Used: YSI model 32

Standard 1413 umhos/cm at 25°, Reading 259 umhos/cm at 5.2 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 30	9:40	7.8	10.04	2220	Light gray, med. amt. silt.
60	12:11	12.5	10.37	1640	Light gray, sm. amts silt
95	2:00	9.2	10.24	2380	Light gray, sm. amts silt
Final					

Remarks: Water level TOC = 10.95 /12-18-87 / 10:00 pump off - discharge ≥1.2 gpm / Pump on 10:?? Tip 9:20 O.D. Tip 9:50 O.D.

Collected by Walt Vassar (Signature) 12-18-87

Checked by [signature] (Signature) 2/15/88 C-284

ENGLEWOOD, COLORADO

WELL DEVELOPMENT DATA

Bore 3-72-D2 Well 23230

Project RMA ON POST	Project Number TASK 44
Date(s) Developed 12-21-87	Date Installed 092787
Personnel (Name/Company) WTV / ESE ABU / ESE	Well Diameter (I.D.) 4 in.
	Anulus Diameter 12¼ in. 0 ft. to 106.19 ft.
Rig Used Well Service Truck	7⅞ in. 106.19 ft. to 123.54 ft.
Pump (Type/Capacity) Geotech (ISCO)	Screen Interval 112.67 ft. to 123.54 ft.
Bailer (Type/Capacity)	ft. to ft.
Water Source RMA	Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 125.39 ft. (Final) ft.	Bottom of Screen (Below G.L.) 123.54 ft.

Water Level TOC/Date/Time (Initial) 43.76 / 12-16-87 / 0910

(after 24 hrs.)

Feet of Water in Well 81.63 ft. x 0.653 gallons/foot = ~~43.44~~ 53.3 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons	One Purge Volume ~~56.86~~ (60) gallons
Purge Water Lost N/A gallons	Minimum Purge Volume ~~284.3~~ (300) gallons
Added Water ∅ gallons	Total Purge Volume gallons
Casing/Anulus Volume ~~43.44~~ 53.3 gallons + 13.75 = sand pack	Volume Measured By 55 gal drums
	Surge Technique raise & lower pump

Calibration: pH Meter Used: BECKMAN ϕ 21 PH METER

pH 7.00 = 7.07 at 7.2 °C, pH 10.00 = 10.22 at 6.9 °C

Conductance Meter Used: YSI Model 32

Standard 1413 umhos/cm at 25°, Reading — umhos/cm at — °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
~~Initial~~ 95	1521	11.0	9.18	2650	Clear to Gray
110	1554	10.2	9.15	2920	Clear
~~Final~~					

Remarks: Water Level TOC = 58.21 12-21-87 / 1450

TIP = 0.0

Collected by Walt [illegible] 12-21-87 Signature

Checked by [illegible] 2/15/88 Signature

C-285

ENGLEWOOD, COLORADO

WELL DEVELOPMENT DATA

Bore EP-72-D2 Well 23230

Project ~~EP-72-D2~~ RMA ON POST

Project Number Task 44

Date(s) Developed 12-22-87

Date Installed 292787

Personnel (Name/Company) WTV/ESE

ABW/ESE

Well Diameter (I.D.) 4 in.

Anulus Diameter 12 1/4 in. 0 ft. to 106.19 ft.

7 7/8 in. 106.19 ft. to 123.54 ft.

Rig Used Well Service Truck

Pump (Type/Capacity) Geoteck - ISCO

Screen Interval 112.67 ft. to 123.54 ft.

Bailer (Type/Capacity) ~~2.5" x 4.5'~~ WTV

ft. to ft.

Water Source RMA

Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 125.39 ft.

(Final) ft.

Bottom of Screen (Below G.L.) 123.54 ft.

Water Level TOC/Date/Time (Initial) 43.76 / 12-16-87 / 0910

(after 24 hrs.)

Feet of Water in Well 81.63 ft. x 0.653 gallons/foot = DW ~~45.71~~ 53.3 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons

One Purge Volume DW ~~56.86 (60)~~ 70 gallons

Purge Water Lost N/A gallons

Minimum Purge Volume DW ~~284.3 (300)~~ 350 gallons

Added Water ∅ gallons

Total Purge Volume gallons

Casing/Anulus Volume DW ~~45.71~~ 53.3 gallons

+ 15.95 = sand pack

Volume Measured By 55 gal drums

Surge Technique raise & lower pump

Calibration: pH Meter Used: BECKMAN ∅ pH METER (015883)

pH 7.00 = 7.09 at 3.10 °C, pH 10.00 = 10.25 at 5.0 °C

Conductance Meter Used: YSI model 32

Standard 1413 umhos/cm at 25°, Reading 825 umhos/cm at 23 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
~~Initial~~ 110	0910	10.3	8.84	2540	Clear
140	1023	11.4	9.70	2510	Clear
165	1330	10.6	9.77	2520	Clear
			C		
Final					

Remarks: Water Level TOC = 64.40' / 12-22-87 / 0834

TIP = 20

Pumping rate approx 2 gpm / Dewatered at 55 gal. / pump off at 1:30 pm

Collected by Walt Vastine 12-22-87
Signature

C-286

Checked by [signature] 2/15/88
Signature

WELL DEVELOPMENT DATA

Bore EP-7202 Well 23230

Project TASK 44
Date(s) Developed 2-23-88
Personnel (Name/Company) ESE
Kevin, Roy, Bob
Rig Used WELL DEVELOP. TRUCK
Pump (Type/Capacity) ✓ ISCO
Bailer (Type/Capacity)
Water Source RMA
Measured Well Depth TOC (Initial) ____ ft. (Final) 125.80 ft.

Project Number
Date Installed 9-27-87
Well Diameter (I.D.) 4" PVC in.
Anulus Diameter 12¼ in. 0 ft. to 106.19 ft.
7⅞ in. 106.19 ft. to 123.54 ft.
Screen Interval 112.67 ft. to 123.54 ft.
____ ft. to ____ ft.
Casing Height (Above G.L.) 1.7 ft.
Bottom of Screen (Below G.L.) 123.54 ft.

Water Level TOC/Date/Time (Initial) 48.42' / 2-23-88 / 9:15
(after 24 hrs.) 69.76' / 2-24-88 / 1305

Feet of Water in Well ~~48.42~~ ft. x ____ gallons/foot = 53.3 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
Purge Water Lost N/A gallons
Added Water 0 gallons
Casing/Anulus Volume 66 gallons

One Purge Volume 70 gallons
Minimum Purge Volume 330+350 gallons
Total Purge Volume 265 gallons
Volume Measured By 55 Gal. Drums
Surge Technique raise & lower pump

Calibration: pH Meter Used: SN # 016344
pH 7.00 = 7.04 at 13.8 °C, pH 10.00 = 10.14 at 13.3 °C
Conductance Meter Used: SN # 14243
Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, color, sand content, color)
Initial RR 165 Gal	10:00	10.8	9.18	2570	CLEAR
225 Gal	11:43	9.6	9.52	2600	CLEAR
265 Gal	1242	9.1	9.83	2635	CLEAR
Final					RR

Remarks: Dewatered @ 265 Gal.

Collected by [signature] Signature
Checked by [signature] Signature

C-287

EP-74

BOREHOLE SUMMARY LOG

Borehole EP-74 Well 24196, 24197, 24198
Project Name and Location MW Installation Project Number 144
Drilling Company Boyles Driller B. Roach Rig Number Failing 1500
Drilling Method(s) continuous core

Size(s) and type(s) of bit(s) 12 1/4" auger, 5 7/8" tricone
Borehole Diameter 12 1/4 in. ____ cm. 0 ft. ____ cm. to 26 ft. ____ cm.
5 7/8 in. ____ cm. 26 ft. ____ cm. to 122 ft. ____ cm.
Sampling Methods continuous core
Total Number Soil Sampling Tubes —
Total Number Core Boxes 9
Number of Gallons Lost Drilling Fluid —
Date/Time Started Drilling 8·3·87 0750
Date/Time Completed Drilling 8·4·87 0823
Total Borehold Depth 122 ft. ____ cm.
Depth to Bedrock 25.50 ft. ____ cm.
Depth to Water 74.75 ft. ____ cm.
Water Level Determiner water level indicator
Borehole Completed as Monitoring Well? No
Date/Time Grouting Completed 8·4·87 1120
Depth of Tremmie Pipe 120'
Gallons of Grout 90
Materials Used 9 bags cement, 90 gal. water, 1 bag bentonite
Comments hole grouted to surface

Wellsite Geologist Cynthia D. Kuser Date 8·4·87
Checked for Grout Settlement on 8/7/87 by [illegible signature]
Amount of Grout Added none needed
All Measurements from Ground Level
Reviewed by [signature] Date [illegible]
Drill Site Geologist

C-289

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7935 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0620

Borehole: EP-74A   Well Number:

Depth-Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
1	1 / 0.0'-2.0'	1.4/2.0	SAME AS TUBE NUMBER	SAME AS TUBE interval	CL	Clay, 10% sand, fine to coarse grained, 2% small gravel, 10YR 4/4 Dark yellowish brown, medium stiff, dry, low plastic, porous
2-4	2 / 2.0'-4.0'	1.0/2.0			CL	Clay, 10% silty, 10YR 5/4, yellowish brown, medium stiff, dry, low plastic, calcareous at 3, 2% sand, fine to coarse grained
4-6	3 / 4.0'-6.0'	.80/2.0				↓ ↓ ↓
6-7	4 / 6.0'-7.0'	.85/1.0			CL	clay, 20% sand, fine to coarse grained, 10YR 7/3 very pale brown, dry, medium stiff, medium plastic, dry, calcareous
7-8	5 / 7.0'-8.0'	.60/1.0			CL	Clay, 30% sand, fine to coarse grained, 10YR 7/4 very pale brown, dry medium stiff, medium plastic, dry, calcareous
8-9	6 / 8.0'-9.0'	.95/1.0				
9-10	7 / 9.0'-10.0'	1.0/1.0			SC	Clayey sand, 25% clay, fine to coarse grained sand, medium dense, moist, 10YR 5/6, yellowish brown, v. low plastic

C-290

Drill Site Geologist: [signature]   Date: 7/28/87
Reviewed By: Joseph ... Reed   Date: 9/29/87

Borehole: EP-24A Well Number:

Depth-Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
					SC	Clayey SAND, (see pg 1)
11	8 / 10.0'-12.0'	2.0'/2.0'	Same as tube number	Same as tube interval		
12					SP	Poorly graded sands, medium to very coarse grained sand, 10% small gravels, 2.5Y 7/4, pale yellow, medium dense, moist, non plastic. gravels decrease to 2% at 12'
13	9 / 12.0'-14.0'	2.0'/2.0'				
14						
15	10 / 14.0'-16.0'	1.7'/2.0'				
16	11 / 16.0'-17.0'	1.0'/1.0'				gravel % increases to 10% at 16.0', small gravels
17					SP	Poorly graded sands, 7% clay, 10% gravel, small to medium size, coarse to very coarse grained sands, dense, moist, 2.5Y 6/8, olive yellow, claystone clasts, medium gravel in size
18	12 / 17.0'-19.0'	1.8'/2.0'				
19						
20	13 / 19.0'-21.0'	2.0'/2.0'				

Drill Site Geologist: Steve Parr Date: 9/28/87 C-291

Reviewed By: Joseph L. Reed Date: 9/29/87

Borehole: EP-74A Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
	13 19.0'-21.0'	2.0'/2.0'	same as tube number	same as tube interval		Poorly graded sands (see page 2)
21						
22	14 21.0'-23.0'	1.9'/2.0'				
23						
24	15 23.0'-25.0'	0.9'/2.0'				
25					SP	Poorly graded sands, coarse to very coarse grained sands, 3% small gravels, 2.5Y 5/4, light olive brown, dense, saturated
26	16 25.0'-27.1'	2.0'/2.1'				Claystone, bedrock, weathered, 5Y 5/3, olive, Fe stains, blocky structure, carbon, calcareous, 20% silt at 26.5', unweathered
27						Total depth 27.1'

Drill Site Geologist: Steve Paw Date: 7/28/87

Reviewed By: Joseph L. Reed Date: 9/29/87

C-292

ESE, Inc. CORE LOG By CDB Date 8-4-87 BORE EP-74 Well(s) ______ Page 1 of

(NUX no)	DEPTH	Rec (in)	Weath. U S	Structure / Bedding Angle	Desc	Hardness S H	Perm. 1° L H	2° L H	Mineralogy Min	Habit	Color (M) G	Texture / Grain Size mm .01 .10 100	Lith. Char	Lith Class Ft	Description / Comments CM (Scale 1" = 2 ft)
															water at 24.75'
															bedrock at 25.50'
	26'														casing set to 26'
															Begin coring at 27'
	28'				occas. coarse banding				FeO_x crystallization on fracs.		2.5y 6/4 lt. yellow brown		27'	CL	CLAYSTONE mottled gray/brown and yellow/brown
	30	4/5			fracs. 3-4 / 1' 0-30°										
	32														
	34	1/5													
	36														
1											2.5y N5/0 gray				
	38														
		5/5			Finely inter-bedded claystone + sandstone ⊥ no core				calc. cement in sandy bands		brown gray; 2.5y		39' Sand 20% clay 15%	St	SILTSTONE - sandy, clayey calc. cement oxidation boundary
	40														
					occas. laminated fissile						2.5y N2/0 black		40.6	Lg	LIGNITE
	42								calc. vall. 1/8"						

C-293

E, Inc. BORE EP-74 WELL(S)

ESE, Inc. CORE LOG By CDB Date 8-4-87 BORE EP-74 Well(s) ______ Page 2 of 5

Run	Depth (ft)	Rec./Int.	Structure/Bedding Desc	Mineralogy	Color	Lith. Char	Lith. Class	Description/Comments (Scale 1" = 2 ft)
	44–47.5	3.4/5	massive		2.5Y N4/0 v dk gray	44'	CL	CLAYSTONE
②	47.5–50	5/5		cbn 3% mus. 1%		47.5'	SS	SANDSTONE wkly. cemented (friable)
	50–52					50' silt 15%	CL	CLAYSTONE silty
	52–54.3		Finely bedded	cbn 1%		52'	ST	SILTSTONE
	54.3–57	5	massive	cbn pervasive (10%)	2.5Y N2/0 black	54.3'	CL	CLAYSTONE
③	57–58.7				2.5Y N4/0 dark gray	57' clay 15%	ST	SILTSTONE - clayey
	58.7–62	5/5	irregular bedding	cbn 20%		58.7 cbn 20%	SS	SANDSTONE
	59.6					59.6		end of cbn-rich zone
	61–62			calc banding; calc. veil	2.5Y N6/0 lt. gray			coarser ss. with calc. cement - mottling

C-294

BORE EP-74 WELL(S)

ESE, Inc

ESE, Inc. CORE LOG By CDB.... Date 8-4-87 BORE EP-74 Well(s) ________ Page 3 of

Depth	Run / % Rec	Structure/Bedding Desc.	Mineralogy	Color (M)	Lith Chg	Lith Class	Description / Comments (CM Scale 1": 2 ft)
66	5/5	fine bedding (erratic)	cbn 4% (seen along bedding); musc. 5% (lg. grains)	2.5y N5/0 gray		SS	SANDSTONE
68					Lithic Frags		rounded lithic frags (to 1/2") comprise 60% grains, dk. gray claystone
70	4.3	massive		2.5y N3/0 very dk. gray	68.1	CL	CLAYSTONE
72							
74	5/5						
76			1/4" calc. vnlt. 30°				
78			cbn 30% (pervasive) 3% Kspar		77.6	ST	SILTSTONE continued
80	5/5		2" calc. clast		79.9 silt 20%	SS	SILTY SANDSTONE
							silt decreasing
82			cbn; calc vnlt (1/4" wide?)		silt 10%		
					silt 2%		SANDSTONE

BORE EP-74 WELL(S)

ESE, Inc

C-295

ESE, Inc. CORE LOG By CDB Date 8-4-87 BORE EP-74 Well(s) ______ Page 4 of 5

(HOX no)	DEPTH	Rec Int	Weath U S	Structure/Bedding Angle	Desc	Hardness S H	Perm 1" L H	2" L H	Mineralogy Min	Habit	Color M G	Texture/Grain Size	Lith Char	Lith Class	Description/Comments CM (Scale 1" = 2 ft)
		5/5			Massive				qz 90% mus. 2% bio. 1 wh. 3% occas. lith. frag's		2.5y N5/0 gray			SS	SANDSTONE wk. to mod. cementing - rock sl. friable
	86														
	88								sm. cbn grains f/o						
6		5/5													
	90														
	92														
	94	5/5													
	96														
7													97.4 97.7		LIGNITE SEAM - HARD
	98								cbn frag's ~ 1/2"				98.7		coarser, more [illegible] cbn frag's
	100	5/5													
	102														

C-296

BORE EP-74 WELL(S)

..., Inc

ESE, Inc. CORE LOG By CJB Date 8-4-87 BORE EP 74 Well(s) ______ Page 5 of 5

Box No.	Depth ft	Rec. Int.	Structure / Bedding: Angle	Structure / Bedding: Desc	Mineralogy: Min	Mineralogy: Habit	Color	Lith Char	Lith. Class	Description / Comments (Scale 1" = 2 ft)
		4/5		Massive			2.5y N6/0 gray		SS	SANDSTONE sandstone weakly cemented/friable
	106									
	108									
8		5/5			rare cbn frags; more freq cbn frags					
	110									
	112									
	114	4.3/5			cbn. vein streaks; cbn. parvasive		2.5y N3/0 very dk. gray	114'	CL	CLAYSTONE
	116									
9					cbn diminishing					
	118	5/5		fine, undulating bedding			2.5y N5/0 gray	119' silt 10%	SS	SANDSTONE INTERBED silty, fine grained sandstone
	120							120.2 silt 10%	CL	CLAYSTONE - SILTY
	122									Total Depth 122'

C-297

Lawrent EP 74 WELL(S)

Inc

Frontier Logging
Lakewood, Colorado

Company: ESE
Bore Hole: EP-74
Area/Project: RMA
County: ADAMS COUNTY
State: COLORADO
Log Measured From: Ground Level

Date: AUG. 4, 1987
Driller Depth: 122 FT
Bit Size: 3 7/8"
Casing: 26 FT PVC
Fluid in Hole: water & native mud
Drilling Measured From: Ground Level

Time In: 0945
Time Out: 1045
Unit No.: 110
Operator: Wm Linton
Location: Lakewood

COMPANY DATA

TD Logged	119 FT
Natural Gamma	200 Scale = 20 CPS per Inch
Time Constant	2 Sec
Logging Speed	15 Ft/Min
Probe No.	103-1041
Probe Diameter	1 5/8"
Detector Type, Size	xtal 3/4 x 1 1/4"
K Factor	1.60 x 10^{-5}
Dead Time	7
Water Factor	1.10
Hole size	3 7/8"
Casing Factor	
Resistance	90 ohms/5" (Ohms per 5 Inches)
SP	30 MV/Inch

NATURAL GAMMA REPEAT (Scale, CPS/in, TC, Logging Speed, From, To, Total) — blank

Gamma (Analog):
Gamma (Digital):
Caliper:
Temperature:
Density Source No.:
Neutron Source No.:

DIRECTIONAL DATA
Closure:
Azimuth:
True Vertical:
Survey Depth:

C-298

30 MV/Inch

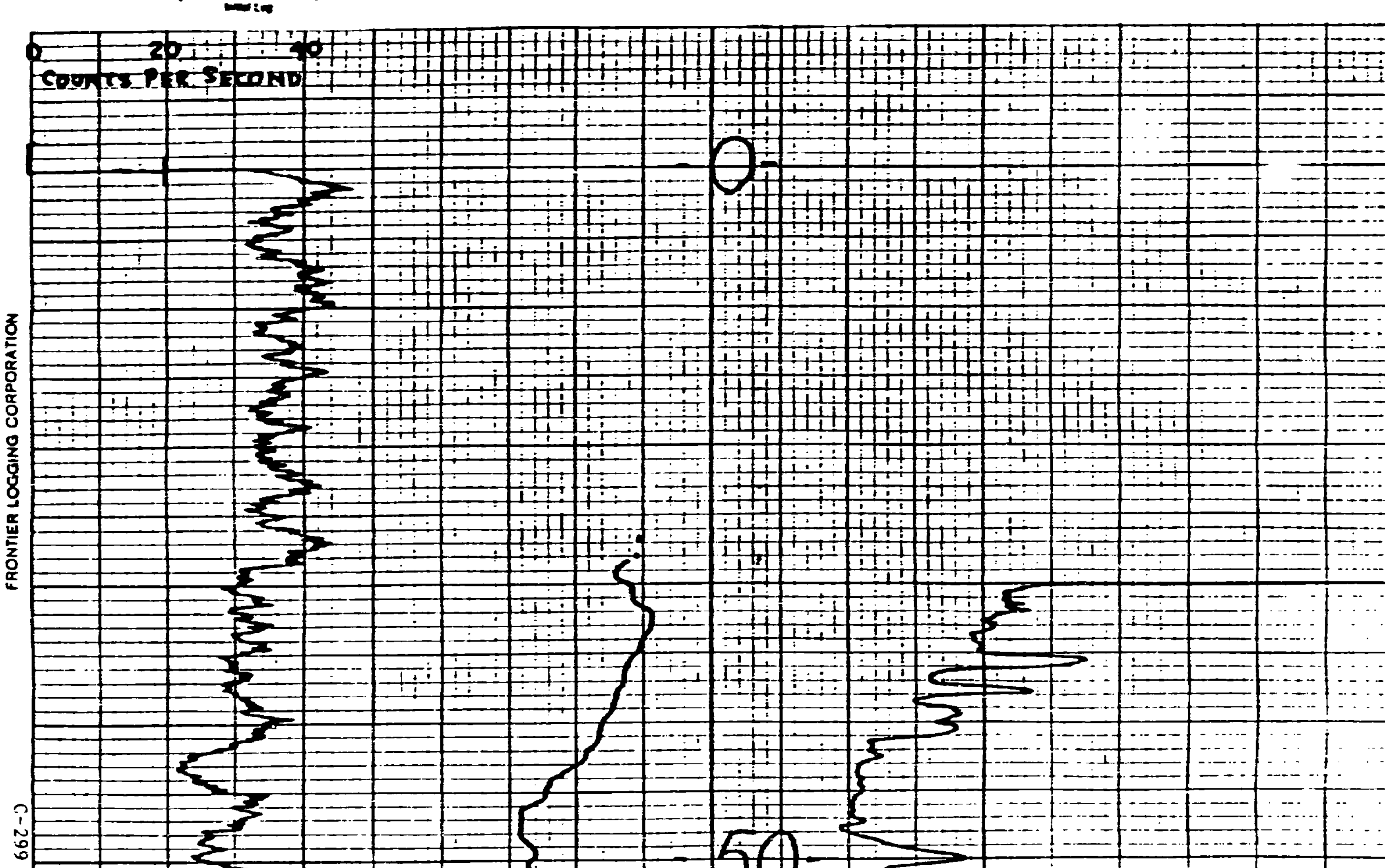
Azimuth

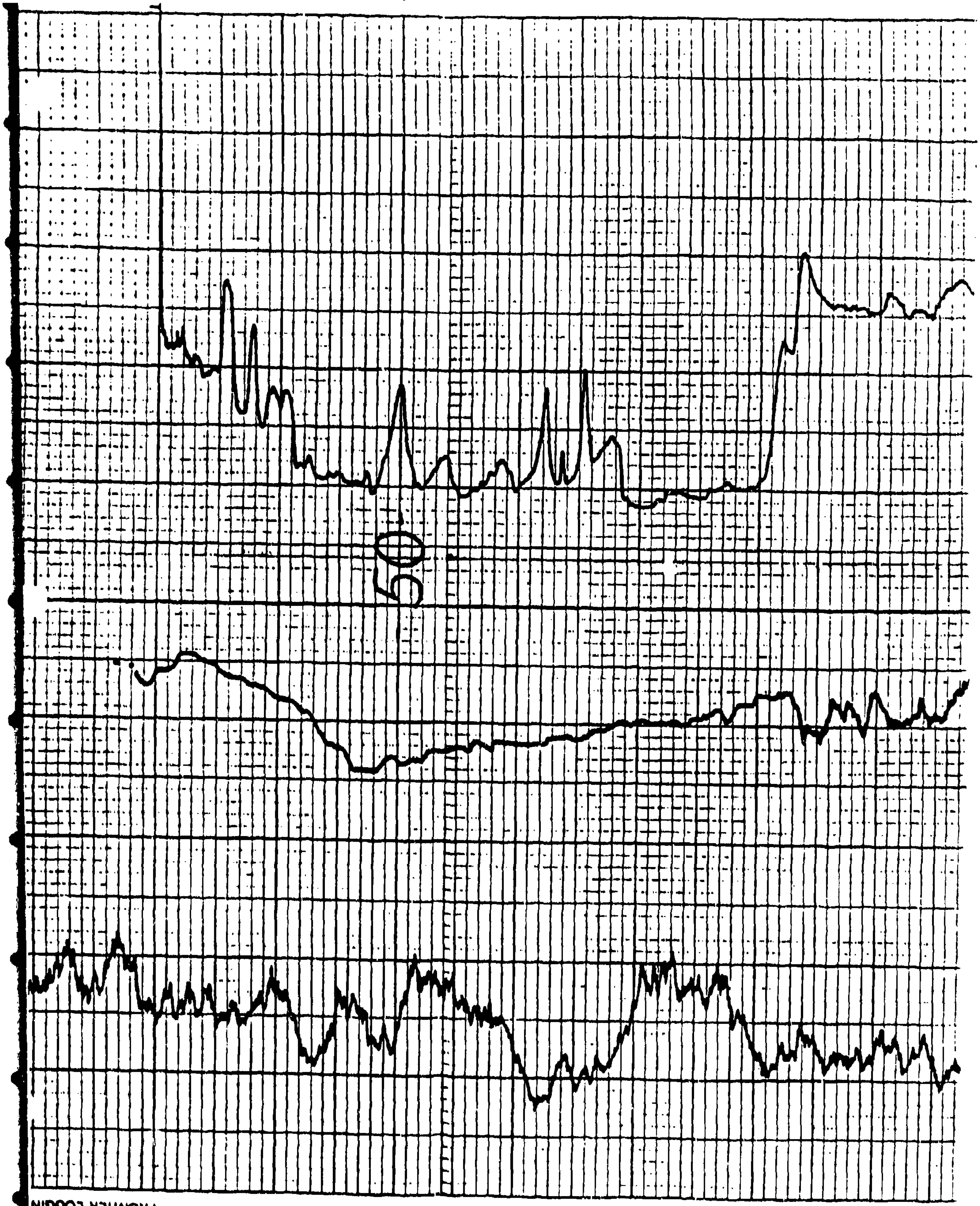
True Vertical | Survey Depth

NATURAL GAMMA 20 CPS

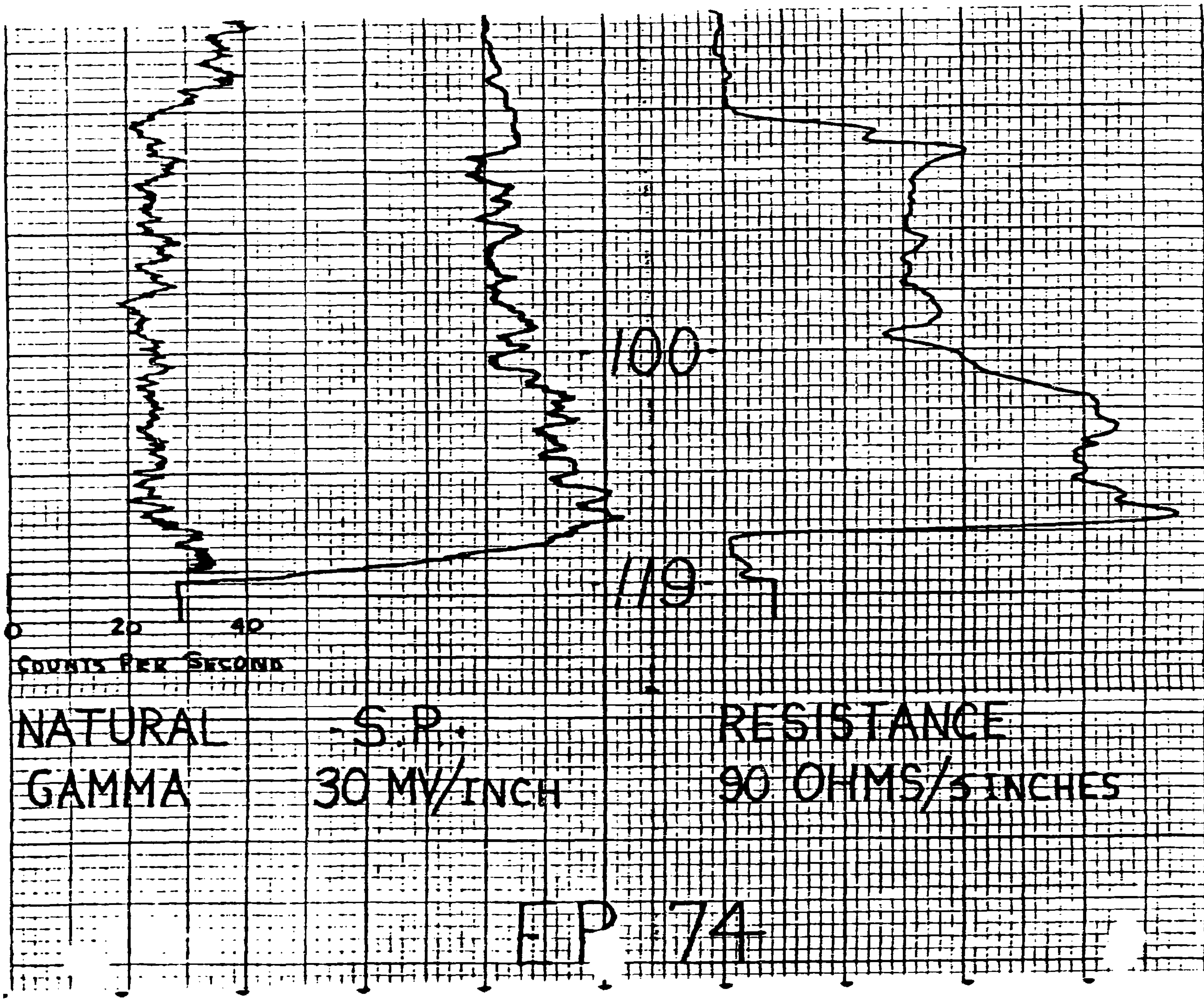
S.P. - 30 MV +

RESISTANCE 90 OHMS/ 5 Inches





C-300


C-301
100
119
0 20 40
COUNTS PER SECOND
NATURAL GAMMA
S.P.
30 MV/INCH
RESISTANCE
90 OHMS/5 INCHES
EP 74

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL CONSTRUCTION SUMMARY

Borehole EP-74A Well 24196

Project Name and Location RMA Section 24 Task 44 Project Number

Drilling Company Boyles Bros. Driller Don Irvine Rig Number

Drilling Method(s) Continuous sampled using 3¼" ID, 7 5/8 5½" OD Hollow stem Reamed with 12¼" Hollow stem Auger

Borehole Diameter 5½ in. ___ cm. 0.0' ft. ___ cm. to 27.10 ft. ___ cm.
12¼ in. ___ cm. 0.0' ft. ___ cm. to 27.47 ft. ___ cm.

Size(s) and types of Bit(s) Auger

Size and Type PVC 4" Sched 40

Total Borehole Depth 27.47 ft. ___ cm.

Depth to Bedrock 25.5' ~~24.75~~ ft. ___ cm.

Depth to Water 24.75 ft. ___ cm.

Water Level Determined By Samples + taping

Length Plain PVC (total) 20.12 ft. ___ cm.

Length of Screen 10.84 ft. ___ cm.

Total Length of Well Casing 29.06 ft. ___ cm.

PVC Stick Up 1.70 ft. ___ cm.

Depth to Bottom of Screen 27.36 ft. ___ cm.

Depth to Top of Screen 16.52 ft. ___ cm.

Depth to Top of Sand 11.60 ft. ___ cm.

Depth to Top of Bentonite 6.00 ft. ___ cm.

Sampling Method(s) Mobile continuous sampler

Date/Time Start Drilling 7/22/87 0731

Date/Time Finish Drilling 7/22/87 1205

Date/Time Start Completion 7/23/87 0710

Date/Time Cement Protective Casing 7/23/87 0921

Materials Used —

Plain PVC 2-10' sections (1 cut)

Slotted PVC 1-10' section

Bentonite Pellets 5 buckets

Bentonite Granular ½ bag

Cement 3 bags

Sand 11 bags

Water added during completion -0-

Water added during drilling -0-

Total Gallons of water added -0-

Drill Site Geologist Steve Paul

Date 7/24/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed [illegible]

Date/Time/Personnel Casing Painted 7/2?/87 [illegible]

Date/Time/Personnel Numbers Painted 3/24/88 [illegible]

Materials Used 12 bags of sakrete

Top of Protective Casing to Top of PVC 0.34 ft. ___ cm.

Top of Protective Casing to Weep Hole 1.3 ft. ___ cm.

Top of Protective Casing to Internal Mortar 1.55 ~~1.45~~ ft. ___ cm.

Top of Protective Casing to Top of Cement Pad 1.45 ft. ___ cm.

Top of Protective Casing to Ground Level 2.5 ft. ___ cm.

COMMENTS/NOTES

Reviewed By [illegible] Date [illegible]

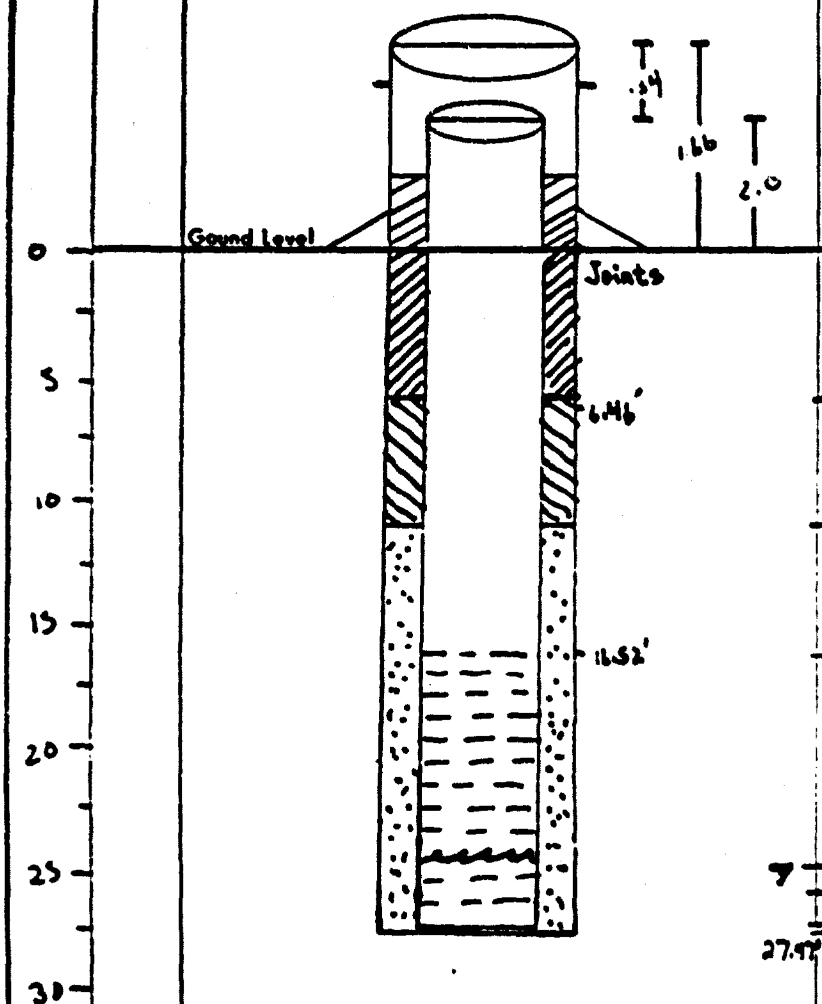
Drill Site Geologist [illegible] Date [illegible]

C-302

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0630

Borehole: EP-74A

Well: 24196

Depth-Feet	Soil/Rock Type	Well Completion	Description
			

6.00 Top of bentonite
Bentonite seal 6.0' - 11.0'

11.00' Top of Sand
Sand Interval 11.00 - 16.52'

16.52 Top of Screen
Screen interval 16.52' - 27.36'

24.75 Static water elev.
25.5' Top of Bedrock
27.36 Bottom of Screen
27.97 Total Depth

Drilling Company: Steve Paus Date: 7/24/77
Reviewed By: Date:

C-303

BEST AVAILABLE COPY

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP-74 A   Well 24196

Project RMA ON-POST   Project Number TASK 44
Date(s) Developed 09/03/87   Date Installed 7/23/87
Personnel (Name/Company) DLW/ESE   Well Diameter (I.D.) 4 in.
PTB/ESE   Anulus Diameter 12¼" in. 0 ft. to 27.36 ft.
Rig Used ESE WELL SERVICE TRUCK   – in. – ft. to – ft.
Pump (Type/Capacity) GRUNDFOS / 7GPM   Screen Interval 16.52 ft. to 27.36 ft.
Bailer (Type/Capacity) N/A   – ft. to – ft.
Water Source RMA   Casing Height (Above G.L.) 1.70 ft.
Measured Well Depth TOC (Initial) 29.12 ft.   Bottom of Screen (Below G.L.) 27.36 ft.
(Final) 29.12 ft.
Water Level TOC/Date/Time (Initial) 25.72 / 09-03-87 / 0932
(after 24 hrs.) 25.73 / 09/25/87 / 14:30
Feet of Water in Well 3.4 ft. x 2.32 gallons/foot = 7.89 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons   One Purge Volume ~~8.0~~ 7.9 gallons
Purge Water Lost N/A gallons   Minimum Purge Volume 39.5 gallons
Added Water ∅ gallons   Total Purge Volume 100 gallons
Casing/Anulus Volume 7.89 gallons   Volume Measured By 5 GALLON BUCKET
Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ 21 SN: 015302
pH 7.00 = 7.00 at 23.8 °C,   pH 10.00 = 10.02 at 24.5 °C
Conductance Meter Used: CMS DIGITAL SN: 11341
Standard 1413 umhos/cm at 25°,   Reading 1412 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0.0	1024	22.9	8.41	1945	Very cloudy (muddy) w/ orange-brown silt.
10	1040	17.0	7.69	2110	Cloudy w/ orange-brown silt.
20	1050	16.4	7.71	2060	slightly cloudy w/ brn silt
30	11:00	16.7	7.82	2100	Slightly Cloudy w/ brn silt
40	11:10	16.7	7.88	2080	Slightly Cloudy
Final 50	11:30	16.7	7.70	2100	Slightly cloudy w/ brown silt.

Remarks: Initial HNU (TOC) = 0.0 ppm
Flow rate ≈ 1 gpm.

Collected by DLW/WA   09/03/87
Signature
Checked by [illegible]   [illegible]
Signature

C-304

ESE 7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-74 A Well 24146

Project RMA ON-POST
Project Number TWS # 44
Date(s) Developed 09/03/87
Date Installed 7/23/87
Personnel (Name/Company) DLW / ESE
MJS / ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12¼ in. 0 ft. to 27.36 ft.
– in. – ft. to – ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 7 gpm
Screen Interval 16.52 ft. to 27.36 ft.
– ft. to – ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.70 ft.
Measured Well Depth TOC (Initial) 29.12 ft.
(Final) 28.72 ft.
Bottom of Screen (Below G.L.) 27.36 ft.
Water Level TOC/Date/Time (Initial) 25.73 / 09-03-87 / 0932
(after 24 hrs.) 25.73 / 09-25-87 / 14:30
Feet of Water in Well 3.4 ft. x 2.32 gallons/foot = 7.9 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 7.9 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 39.5 gallons
Added Water 0 gallons
Total Purge Volume 100 gallons
Casing/Anulus Volume 7.9 gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ 21 SN: 015883
pH 7.00 = 7.49 at 28.7 °C, pH 10.00 = 9.99 at 22.8 °C
Conductance Meter Used: CMS DIGITAL SN: 11341
Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 60	1143	16.7	7.54	2120	very slightly cloudy.
70	1156	16.9	7.63	2100	Slightly cloudy w/ brown silt.
80	1209	17.2	7.54	2120	cloudy w/ brown silt.
90	1225	17.4	7.51	2110	Slightly cloudy w/ brown [illegible]
100	1237	17.1	7.45	2110	very slightly cloudy.
Final —					

Remarks: Recalibration before 60 gallon volume.
Flow rate = 0.72 gpm.
TPH(TCL) = 0.1 ppm @ 80 gallon vol.

Collected by [illegible] 09 03 87
Signature

Checked by [illegible]
Signature

C-305

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL CONSTRUCTION SUMMARY

Borehole EP-74D1 Well 24197

Project Name and Location RMA section 24 MW installation Project Number T 4-1

Drilling Company Beylea Bros Driller Bob Roach Rig Number Failing 1500

Drilling Method(s) Rotary

Borehole Diameter 16¼ in. ____ cm. 0 ft. ____ cm. to 30.5 ft. ____ cm.
7⅞ in. ____ cm. 30.5 ft. ____ cm. to 69.5 ft. ____ cm.

Size(s) and types of Bit(s) 16¼" blade, 7⅞" blade

Sampling Method(s) —

Date/Time Start Drilling 8/24/87 0737

Size and Type PVC 4" sched.

Date/Time Finish Drilling 8/27/87 0950

Total Borehole Depth 69.5 ft. ____ cm.

Date/Time Start Completion 8/27/87 1117

Depth to Bedrock 25.5 ft. ____ cm.

Date/Time Cement Protective Casing 8/25/87 1135

Depth to Water — ft. ____ cm.

Materials Used 2 centralizers, well cap, cover, loc

Water Level Determined By —

Plain PVC 6 - 10' sections

Length Plain PVC (total) 60.31 ft. ____ cm.

Slotted PVC 1 - 10' section

Length of Screen 10.69 ft. ____ cm.

Bentonite Pellets 1⅔ buckets

Total Length of Well Casing 71.0 ft. ____ cm.

Bentonite Granular 180 lbs

PVC Stick Up 1.70 ft. ____ cm.

Cement 36 bags

Depth to Bottom of Screen 69.30 ~~69.04~~ SD ft. ____ cm.

Sand 2¾ bags

Depth to Top of Screen 58.35 ft. ____ cm.

Water added during completion —

Depth to Top of Sand 55.74 ft. ____ cm.

Water added during drilling —

Depth to Top of Bentonite 50.64 ft. ____ cm.

Total Gallons of water added 0

Drill Site Geologist Steve Paris

Date 9/3/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed [illegible]

Date/Time/Personnel Casing Painted [illegible]

Date/Time/Personnel Numbers Painted 3123\44 [illegible]

Materials Used [illegible]

Top of Protective Casing to Top of PVC 0.39 ft. ____ cm.

COMMENT/NOTES

Top of Protective Casing to Weep Hole 1.40 ft. ____ cm.

Top of Protective Casing to Internal Mortar 1.50 ft. ____ cm.

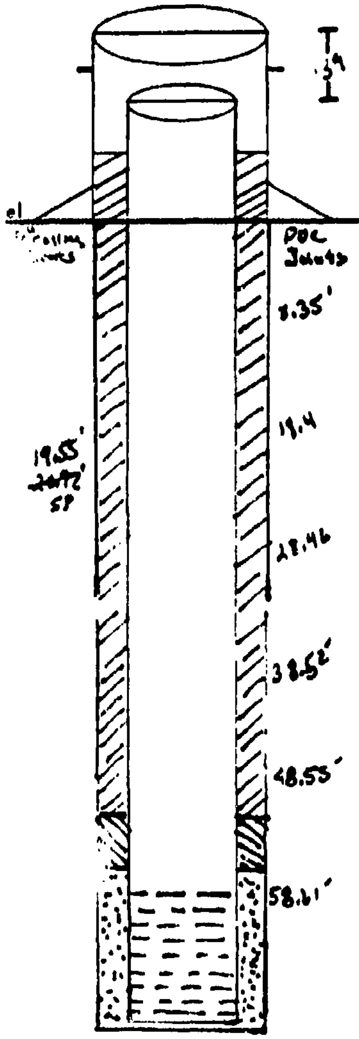
Top of Protective Casing to Top of Cement Pad 1.80 ft. ____ cm.

Top of Protective Casing to Ground Level 2.10 ft. ____ cm.

Reviewed By [illegible] Date [illegible] C-306

Drill Site Geologist [illegible] Date [illegible]

Borehole: EP-74D1 Well: 24197

Depth-Feet	Soil/Rock Type	Well Completion	Description
			
10			
20			17.4' centralizer
30			25.5' Bedrock 29.41 Centralizer 30.4' Bottom of 8" steel casing
40			
50			50.64 Top of bentonite
60			55.74 Top of SAND 58.35 Top of Screen
70			69.30 bottom of screen 69.50 Total drilled depth

Drill Site Geologist: [signature] Date: 9/10/87
Reviewed By: [signature] Date:

C-30

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-74 D1 Well 24197

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 9/22/87
Date Installed 8/27/87
Personnel (Name/Company) DLW/ESE, DJB/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 16 1/4 in. 0 ft. to 30.5 ft.; 7 7/8 in. 30.5 ft. to 67.5 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS/7GPM
Screen Interval 58.35 ft. to 69.30 ft.
____ ft. to ____ ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 71.07 ft. (Final) ____ ft.
Bottom of Screen (Below G.L.) 69.30 ft.
Water Level TOC/Date/Time (Initial) 30.45/9-22-87/0838
(after 24 hrs.) 31.22/10-7-87/1635
Feet of Water in Well 40.62 ft. x 0.653 gallons/foot = 26.5 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 40 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 200 gallons
Added Water ∅ gallons
Total Purge Volume 200 gallons
Casing/Anulus Volume 26.5 gallons
Volume Measured By 5 GALLON BUCKET/TIME
Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN 421 SN: 015583
pH 7.00 = 7.04 at 13.1 °C, pH 10.00 = 10.14 at 13.1 °C
Conductance Meter Used: CMS DIGITAL SN: 11341
Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	0910	14.2	8.70	544	very cloudy w/ dark gray silt
Dewatered @ 30	0937	13.5	9.56	386	partly cloudy w/ gray silt
Dewatered @ 37	1122	13.5	9.38	404	medium w/ gray [illegible]
Final					

Bottom of screen = 69.30
Top of sand = 55.74
13.56 ft height of sand

Remarks: Initial HNU(TOC) = 0 ppm.
Initial pumping rate = 1.25 gpm

Sand pack vol: 13.56 ft x 0.852 gal/ft = 11.5 gallons
1 Purge vol: 26.5 gal (casing vol) + 13.6 gal (sand pack vol)

Collected by [signature] Signature 9/22/87
Checked by [signature] Signature 4/7/88

C-308

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore FP 7901 Well 24197

Project RMA - ON-POST
Project Number T1 5K44
Date(s) Developed 9/23/87
Date Installed 4/21/87
Personnel (Name/Company) DLW/ESE PJB/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 10¼ in. 0 ft. to 30.5 ft.; 7⅞ in. 30.5 ft. to 67.5 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) N/A
Screen Interval 57.35 ft. to 67.35 ft.; ___ ft. to ___ ft.
Bailer (Type/Capacity) 3.25" x 20'
Water Source
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 71.01 ft.
(Final) ___ ft.
Bottom of Screen (Below G.L.) 69.30 ft.
Water Level TOC/Date/Time (Initial) 30.45 / 9-22-87 / 0818
(after 24 hrs.)
Feet of Water in Well 40.62 ft. x 0.653 gallons/foot = 26.5 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 40 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 200 gallons
Added Water ø gallons
Total Purge Volume 200 gallons
Casing/Anulus Volume 26.5 gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN 021 SN: 015813
pH 7.00 = 7.03 at 16.7 °C, pH 10.00 = 10.10 at [illegible] °C
Conductance Meter Used: [illegible] S/N 11341
Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 37 gal	0915	12.4	8.34	919	clear
50 gal	0927	12.1	8.30	946	mostly clear
67 gal	[illegible]	12.4	8.79	983	[illegible]
—	—	Developed		—	
	—			—	
Final					

Remarks: [illegible] 30 gallons

Purge vol. 26.5 gal (casing vol)
+ 136 gal / Sand pack vol
[illegible]

Collected by [signature] 9/23/87
Signature

Checked by [signature] 6/1/88
Signature

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-74 D1 Well 24197

Project RMA ON Post
Project Number Task #44
Date(s) Developed 09-24-87
Date Installed 8/27/87
Personnel (Name/Company) PJB ESE
GLV ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 6 1/4 in. 0 ft. to 30.5 ft.
2 7/8 in. 30.5 ft. to 68.5 ft.
Rig Used ESE Well Service Truck
Pump (Type/Capacity) Geo Tech - ISCO 1.3 gpm
Screen Interval 58.35 ft. to 68.30 ft.
Bailer (Type/Capacity) N/A
____ ft. to ____ ft.
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 71.07 ft.
Bottom of Screen (Below G.L.) 68.30 ft.
(Final) ____ ft.

Water Level TOC/Date/Time (Initial) 30.45 / 09-22-87 / 0838
(after 24 hrs.)

Feet of Water in Well 40.62 ft. x 0.653 gallons/foot = 26.5 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
One Purge Volume 40 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 200 gallons
Added Water 0 gallons
Total Purge Volume 200 gallons
Casing/Anulus Volume 26.5 gallons
Volume Measured By 5 gal Bucket
Surge Technique Raise Pump

Calibration: pH Meter Used: Beckman ϕ 21 SN 015883
pH 7.00 = 7.03 at 17.4 °C, pH 10.00 = 10.10 at 17.1 °C
Conductance Meter Used: Chris Digital SN 11341
Standard 1409 umhos/cm at 25°, Reading 1403 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 67 gal.	0910	13.1	8.20	1060	slightly milky, little silt trace fine sand
100 gal.	1007	16.2 ~~15.0~~ GLV	8.16 ~~8.43~~ GLV	856	slightly milky, some silt, trace fine sand
			GLV		
				Well Dewatered	
Final 100 gal					

Remarks: Well Dewatered after pumping another 33 gallons
HNu: 2.5 Background: 0

26.5 gal (CASING Vol)
13.3 [illegible]

Collected by [illegible signature] 9 24 87
Signature

Checked by [illegible signature]
Signature

C-310

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

ED 74 D-1 Well 24197

Project RMA ON Post

Project Number 879370210 TASK 44

Date(s) Developed 09-25-87

Date Installed 08-27-87

Personnel (Name/Company) PJB ESE
GLV ESE

Well Diameter (I.D.) 4 in.

Anulus Diameter 16 1/4 in. 0 ft. to 30.5 ft.
7 7/8 in. 30.5 ft. to 69.5 ft.

Rig Used ESE Well Service Truck

Pump (Type/Capacity) Geotech/Isco 1.3 GPM

Screen Interval 58.35 ft. to 69.30 ft.
ft. to ft.

Bailer (Type/Capacity) N/A

Water Source RMA

Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 71.07 ft.
(Final) ft.

Bottom of Screen (Below G.L.) 69.30 ft.

Water Level TOC/Date/Time (Initial) 30.45 / 09-22-87 / 0838
(after 24 hrs.)

Feet of Water in Well 40.62 ft. x 0.653 gallons/foot = 26.50 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons

One Purge Volume 40 gallons

Purge Water Lost N/A gallons

Minimum Purge Volume 200 gallons

Added Water 0 gallons

Total Purge Volume 200 gallons

Casing/Anulus Volume 26.5 gallons

Volume Measured By 5 gal Bucket

Surge Technique Raise & Lower Pump

Calibration: pH Meter Used: Beckman Ø21 SN 015883
pH 7.00 = 7.01 at 20.3 °C, pH 10.00 = 10.06 at 20.4 °C
Conductance Meter Used: CMS Digital SN 11341
Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 100	11:30	14.3	8.05	1072	Clear
115	11:45	15.0	8.08	1006	Clear
130	12:20	15.[illegible]	8.27	92[illegible]	Clear
				GLV	
Final					

Remarks: HNU TOC 0.4 Background 0.4

Casing Vol 26.5
Sand Pack 13.6
~~40~~ PJB

Collected by [signature]
Signature

Checked by [signature] 4/1/88
Signature

C-311

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EF 74 D-1 Well 24197

Project RMA on Post | Project Number 82537 C 3U [illegible] Task 44
Date(s) Developed 09-28-87 | Date Installed 08-27-87
Personnel (Name/Company) PJB ESE / GLV ESE | Well Diameter (I.D.) 4 in.
Anulus Diameter 10 1/4 in. 0 ft. to 30.5 ft.; 7 7/8 in. 30.5 ft. to 69.5 ft.
Rig Used ESE Well Service Truck
Pump (Type/Capacity) Geotech /ISCO 1.3 GPM | Screen Interval 58.35 ft. to 69.30 ft.; ___ ft. to ___ ft.
Bailer (Type/Capacity) N/A
Water Source RMA | Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 71.07 ft. (Final) ___ ft. | Bottom of Screen (Below G.L.) 69.30 ft.

Water Level TOC/Date/Time (Initial) 30.45 / 09-22-87 / 0838
(after 24 hrs.) ___

Feet of Water in Well 40.62 ft. x 0.653 gallons/foot = 26.50 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons | One Purge Volume 40 gallons
Purge Water Lost N/A gallons | Minimum Purge Volume 200 gallons
Added Water 0 gallons | Total Purge Volume 200 gallons
Casing/Anulus Volume 26.5 gallons | Volume Measured By 5 gal Bucket
Surge Technique [illegible]

Calibration: pH Meter Used: Beckman [illegible] SN 015883
pH 7.00 = 7.04 at 14.7 °C, pH 10.00 = [illegible] at [illegible] °C
Conductance Meter Used: [illegible] SN 11341
Standard 1413 umhos/cm at 25°, Reading 1415 umhos/cm at [illegible] °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 130	0920	11.4	8.32	1200	[illegible]
145	0938	11.3	8.33	1020	[illegible]
165	1003	11.7	8.27	[illegible]	[illegible]
Final					

Remarks: [illegible]

Collected by [illegible] Signature

C-312

Checked by [illegible] Signature

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore E674 D-L Well 2497

Project RMA ON Post
Project Number 87537 0210 TASK 44
Date(s) Developed 09-30-87
Date Installed 08-27-87
Personnel (Name/Company) PJB ESE / GLV ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 16 1/4 in. 0 ft. to 30.5 ft.
7 7/8 in. 30.5 ft. to 69.5 ft.
Rig Used ESE Well Service Truck
Pump (Type/Capacity) Geotech/ISCO 1.3 GPM
Screen Interval 58.35 ft. to 69.30 ft.
ft. to ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 71.07 ft. (Final) ft.
Bottom of Screen (Below G.L.) 69.30 ft.
Water Level TOC/Date/Time (Initial) 30.45 / 09-23-87 / 0838
(after 24 hrs.) 31.22 / 10-7-87 / 1635
Feet of Water in Well 40.62 ft. x 0.653 gallons/foot = 26.5 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 40 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 200 gallons
Added Water ~~0~~ gallons
Total Purge Volume 200 gallons
Casing/Anulus Volume 26.5 gallons
Volume Measured By 5 gal Bucket
Surge Technique Raise + Lower Pump

Calibration: pH Meter Used: Beckman Φ 21 SN 015833
pH 7.00 = 7.03 at 15.3 °C, pH 10.00 = 10.13 at 14.3 °C
Conductance Meter Used: ~~GHS Digital~~ SN 157
Standard umhos/cm at 25°, Reading umhos/cm at °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 165	1105	13.7	8.24	1107	clear
180	1139	13.3	8.35	1016	clear
200	12:10	13.1	8.51	886	clear
	:				
Final 200					

Remarks: Hole TOC 0.7 Background W/L 33.65

Collected by [signature]
Signature

C-313

Checked by [signature]
Signature

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL CONSTRUCTION SUMMARY

Borehole EP-74 DZ Well 24198

Project Name and Location Section 24 Morton Well Project Number T421

Drilling Company Boyle Bros. Driller B. Roesch Rig Number Failing 500

Drilling Method(s) rotary

Borehole Diameter	16¼" in.	___ cm.	0 ft.	___ cm. to	31 ft.	___ cm.
	12¼" in.	___ cm.	31 ft.	___ cm. to	74.50 ft.	___ cm.
	7⅞"		74.50 ft	to	117.00 ft.	

Size(s) and types of Bit(s)	16¼" blade, 12¼" blade, 7⅞" blade	Sampling Method(s)	not sampled
		Date/Time Start Drilling	8/28/87 0715
Size and Type PVC	4" sched 40	Date/Time Finish Drilling	9/2/87 1125
Total Borehole Depth	117.0 ft. ___ cm.	Date/Time Start Completion	9/2/87 1135
Depth to Bedrock	25.5 ft. ___ cm.	Date/Time Cement Protective Casing	9/1/87 1625
Depth to Water	— ft. ___ cm.	Materials Used	well cap, lock
Water Level Determined By	—	Plain PVC	8-10' sections, 1 cutoff section
Length Plain PVC (total)	80.80 ft. ___ cm.	Slotted PVC	3-10' sections, 1-5 ft section
Length of Screen	37.24 ft. ___ cm.	Bentonite Pellets	1⅔ buckets
Total Length of Well Casing	118.04 ft. ___ cm.	Bentonite Granular	5½ buckets
PVC Stick Up	1.70 ft. ___ cm.	Cement	54 bags
Depth to Bottom of Screen	116.34 ft. ___ cm.	Sand	9 bags
Depth to Top of Screen	79.10 ft. ___ cm.	Water added during completion	—
Depth to Top of Sand	73.7 ft. ___ cm.	Water added during drilling	100 gal
Depth to Top of Bentonite	69.25 ft. ___ cm.	Total Gallons of water added	100 gal

Drill Site Geologist Steve Parr Date 9/9/87

Date/Time/Personnel	Internal Mortar, Cement Pad, and Weep Hole Installed	9/.../88 [illegible]
Date/Time/Personnel	Casing Painted	9/11/88 0930 DLW [illegible]
Date/Time/Personnel	Numbers Painted	3/23/88 [illegible] [illegible]

Materials Used 10 bags of [illegible]

Top of Protective Casing to Top of PVC	0.27 ft.	___ cm.	COMMENT NOTES
Top of Protective Casing to Weep Hole	1.40 ft.	___ cm.	
Top of Protective Casing to Internal Mortar	1.42 ft.	___ cm.	
Top of Protective Casing to Top of Cement Pad	1.70 ft.	___ cm.	
Top of Protective Casing to Ground Level	2.0 ft.	___ cm.	

Reviewed By [illegible] Date [illegible] C-314

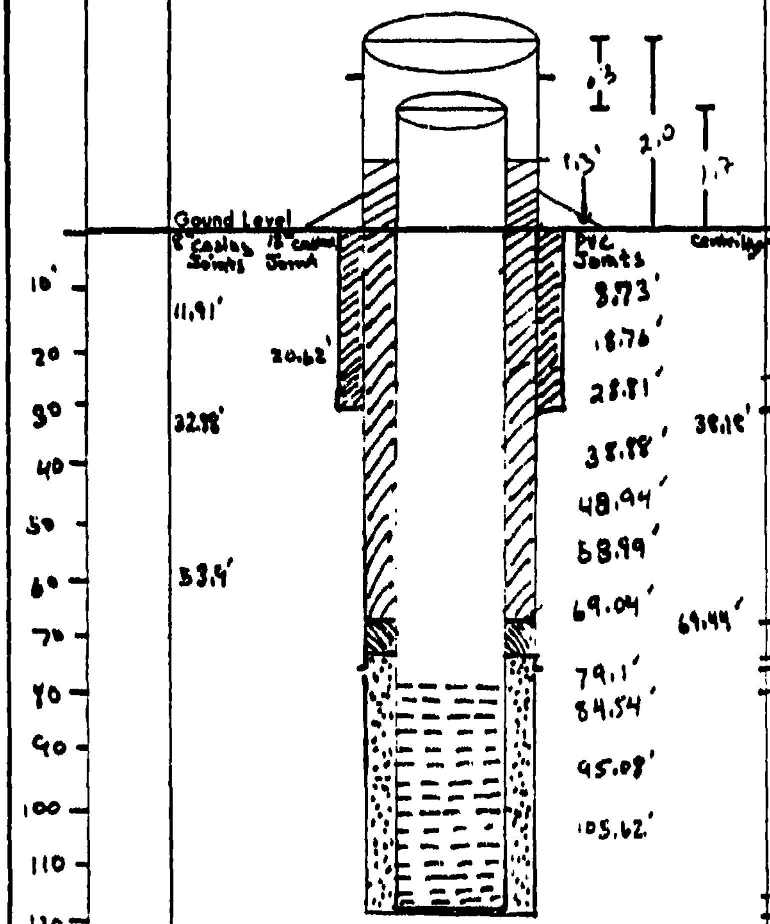
Drill Site Geologist [illegible] Date [illegible]

ESE 7332 SOUTH ALTON WAY • SUITE H-I ENGLEWOOD, COLORADO 80112 • 303/741-0838

Borehole: EP-75D2

Well: 24198

Depth-Feet	Soil/Rock Type	Well Completion	Description



-25.5' Bedrock
-30.1 Bottom of 12" casing
-67.25' top of bentonite
-73.7 Top of Sand
-74.46 Bottom of 8" Casing
-79.10 Top of Screen
116.24' Bottom of screen
117.0' Total drilled depth

Drill Site Geologist: Steve Paul Date: 9/10/87

Reviewed By: [illegible] Date: [illegible]

C-315

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-7432 Well 24158

Project RMA ON-POST
Date(s) Developed 9/22/87
Personnel (Name/Company) [illegible]/ESE
PJB /ESE
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 7 GPM
Bailer (Type/Capacity) N/A
Water Source [illegible]
Measured Well Depth TOC (Initial) 117.45 ft.
(Final) ____ ft.

Project Number TASK 44
Date Installed 9/4/87
Well Diameter (I.D.) 4 in.
Anulus Diameter 10 3/4 in. 0 ft. to 31 ft.
12 1/4 in. 31 ft. to 74.50 ft.
Screen Interval * 75 ft. to 116.34 ft.
____ ft. to ____ ft.
Casing Height (Above G.L.) 1.7 ft.
Bottom of Screen (Below G.L.) 116.34 ft.

Water Level TOC/Date/Time (Initial) 31.25/9-22-87/1055
(after 24 hrs.) 31.72/9-23-87/1445
Feet of Water in Well 86.2 ft. x 0.652 gallons/foot = 56.2 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
Purge Water Lost N/A gallons
Added Water 100 gallons
Casing/Anulus Volume 56.3 gallons

** One Purge Volume 142.6 gallons
Minimum Purge Volume 423 gallons
Total Purge Volume 1000 gallons
Volume Measured By 55 GAL. DRUM
Surge Technique [illegible]/[illegible] PUMP

Calibration: pH Meter Used: BECKMAN [illegible] SN [illegible]
pH 7.00 = 7.00 at 23.4 °C. pH 10.00 = 10.07 at 23.5 °C
Conductance Meter Used: [illegible] SN [illegible]
Standard [illegible] umhos/cm at 25°, Reading 1413 umhos/cm at [illegible] °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25 °C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0 gal.	1321	15.6	11.46	1423	cloudy w/ [illegible] [illegible]
100 gal.	1431	14.2	11.41	615	clear w/ [illegible] [illegible]
200 gal	1522	15.4	10.55	441	Clear w/ [illegible] [illegible]
275	1552	16.6	10.21	421	[illegible]
Final					

[illegible]

Remarks: [illegible] (gpm) [illegible]
* [illegible]
[illegible] / 2.17 gpm.

[illegible] 36 gal Collected by [illegible]
Signature

** Purge vol: [illegible] [illegible] (added water)

Checked by [illegible] 4/1/88
Signature

C-316

WELL DEVELOPMENT DATA

Bore E2747L Well 24198

Project: RMA ON-POST
Date(s) Developed: 9/23/87
Personnel (Name/Company): DLW/ESE; PJB/ESE
Rig Used: ESE WELL SERVICE TRUCK
Pump (Type/Capacity): GRUNDFOS / 20 GPM
Bailor (Type/Capacity): N/A
Water Source: RMA
Measured Well Depth TOC (Initial) 117.45 ft. (Final) ____ ft.

Project Number: TASK 44
Date Installed: 9/2/87
Well Diameter (I.D.): 4 in.
Anulus Diameter: 16¾ in. 0 ft. to 31 ft.; ✗ 12¼ in. 31 ft. to 74.5 ft.
Screen Interval: 79.1 ft. to 116.34 ft.; ____ ft. to ____ ft.
Casing Height (Above G.L.): 1.7 ft.
Bottom of Screen (Below G.L.): 116.34 ft.

Water Level TOC/Date/Time (Initial) 31.25/9-22-87/1055
(after 24 hrs.) 31.72/9-28-87/1445

Feet of Water in Well 86.2 ft. x 0.653 gallons/foot = 56.3 gallons casing/anulus volume

Drilling Fluid Lost: N/A gallons
Purge Water Lost: N/A gallons
Added Water: 150 gallons
Casing/Anulus Volume: 56.3 gallons

One Purge Volume ✗ 192.0 gallons
Minimum Purge Volume 961 gallons
Total Purge Volume 1000 gallons
Volume Measured By 55 GALLON DRUM
Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ21 S/N 0153?3
pH 7.00 = 7.02 at 19.3 °C, pH 10.00 = 10.07 at 19.2 °C
Conductance Meter Used: CMC DIGITAL S/N 1341
Standard 1413 umhos/cm at 25°, Reading 1410 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 270	1032	13.3	10.80	462	Mostly clear
400	1035	13.5	10.19	445	Mostly clear
500	1050	13.7	9.85	420	clear
600	1107	13.3	9.84	414	clear
700	1123	~~[illegible]~~ 13.2 DW	9.74	415	clear
1000	1135	15.6	9.75	413	clear

Remarks: Initial rate ... 20 gpm Water level = 31.7
✗ ... 74.5 ... to 117 ...
... = 20 gpm

✗ 1 Purge vol. = 20.3 gal (casing vol.)
56.3 gal (sand pack vol.)
+ 150 gal (added water)
192 gallons

Collected by [signature] Signature 9/23/87
Checked by [signature] Signature 4/1/88

C-317

ESE 7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore E12-74D2 Well 24198

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 9/23/87
Date Installed 9/2/87
Personnel (Name/Company) DLW/ESE, DJS/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 16¼ in. 0 ft. to 31 ft.
* 12¼ in. 31 ft. to 74.5 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 20 GAM
Screen Interval 79 ft. to 116.34 ft.
ft. to ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 117.45 ft.
Bottom of Screen (Below G.L.) 116.34 ft.
(Final) 118.15 ft.

Water Level TOC/Date/Time (Initial) 31.25/9-22-87/1055
(after 24 hrs.) 31.72 / 09-25-87 / 09:45

Feet of Water in Well 86.2 ft. x 0.653 gallons/foot = 56.3 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
One Purge Volume ** 192.6 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 963 gallons
Added Water 100 gallons
Total Purge Volume 1000 gallons
Casing/Anulus Volume 563 gallons
Volume Measured By 55 GAL DRUM
Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN ϕ 31 SN: 6X5903
pH 7.00 = 7.02 at 19.3 °C. pH 10.00 = 10.07 at 19.2 °C
Conductance Meter Used: LINS DIGITAL SN. 11341
Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
~~Initial~~ 900	1146	13.7	9.50	421	clear
Final 1000	1158	13.8	9.42	415	clear
~~Final~~					

Remarks: Initial HNU (TOC) = 0.0 ppm Water Level = 31.79 2307 1005
* FINAL ANNULUS DIA = 12" 74.5 TO 117.0
Pump rate = 10 gpm

** Purge vol. = 56.3 gal (casing vol)
36.3 gal (sand pack vol)
100.0 gal (added water)
192.6 gallons

Collected by [signature] 9-23-87
Signature

Checked by [signature] 4/1/88
Signature

C-318

EP-75

BOREHOLE SUMMARY LOG

Borehole EY-75 Well

Project Name and Location T44 MW Installation Project Number Task 44

Drilling Company Beylea Driller B. Roach Rig Number Failing 1500

Drilling Method(s) rotary

Size(s) and type(s) of bit(s) 7 7/8" tricone, 11 1/2" auger

Borehole Diameter 11 1/2 in. ______ cm. 0 ft. ______ cm. to 31 ft. ______ cm.

7 7/8 in. ______ cm. 31 ft. ______ cm. to 122 ft. ______ cm.

Sampling Methods continuous core

Total Number Soil Sampling Tubes —

Total Number Core Boxes 9

Number of Gallons Lost Drilling Fluid —

Date/Time Started Drilling 7.24.87 0704

Date/Time Completed Drilling 7.27.87 1124

Total Borehold Depth 122 ft. ______ cm.

Depth to Bedrock 88.9 ft. ______ cm.

Depth to Water 23 ft. ______ cm.

Water Level Determined By? steel tape measure

Borehole Completed as Monitoring Well? NO

Date/Time Grouting Completed 7.28.87 0719

Depth of Tremmie Pipe 120'

Gallons of Grout 90

Materials Used 9 bags cement, 90 gals. water, 1 bag bentonite

Comments grouted to surface, pulled PVC out of hole

Wellsite Geologist C D Benson Date 7.29.87

Checked for Grout Settlement on 7/30/87 by Steve Pass

Amount of Grout Added none needed

All Measurements from Ground Level

Reviewed by Steve Pass Date 2/19/88

Drill Site Geologist

C-320

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

SHEET 1 OF 1

Borehole: EP-7SA Well Number: 23223

Depth-Feet	Tube Number	Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
1'	1	0.0'-2.0'	1.2'/2.0'	SAME AS TUBE NUMBER	SAME AS TUBE INTERVAL	CL	ClAY; 20% silt, 10YR 5/4, yellowish brown stiff, moist, medium plastic
2'–4'	2	2.0'-4.0'	1.4'/2.0'			CL	Clay, 30% silt, 10YR 5/3, brow, medium stiff moist, medium plastic, 10% SAND, fine to coarse grained
5'	3	4.0'-6.0'	1.0'/2.0'				
6'	4	6.0'-7.0'	.9'/1.0'			CL	ClAY, 35% SAND, fine to very coarse grained, 10YR 8/4, very pale brown, moist, medium st medium plastic, calcareous
7'	5	7.0'-8.0'	1.0'/1.0'				
8'–10'	6	8.0'-10.0'	1.35'/2.0'			SM	Silty SAND, 20% silt, fine to very coarse grained SAND, 2.5Y 6/4, light yellowish brown moist medium dense, non plastic, ~~medium dense~~ SP

Drill Site Geologist: Steve Pare Date: 7/23/87 C-321

Reviewed By: Joseph L. Reed Date: 9/29/87

ESE 7332 SOUTH ALTON WAY • SUITE H-I ENGLEWOOD, COLORADO 80112 • 303/741-0838

SHEET 2 OF

Borehole: EP-75A Well Number: 23223

SOILS LOG

Depth–Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	Description
					SM	Silty SAND, (see pg 1)
11'–12'	7 / 10.0'-12.0'	0.8'/2.0'	SAME AS TUBE NUMBER	SAME AS TUBE INTERVAL		
12'–14'	8 / 12.0'-14.0'	1.05'/2.0'			SC	Clayey SAND, 12% Clay, fine to very coarse grained sand, 10% ~~fine~~ SP small to medium gravel, 2.5Y 6/4 light yellowish brown, moist, v. low plastic, medium dense
14'–16	9 / 14.0'-16.0'	1.05'/2.0'			SP	SAND, Poorly graded, fine to very coarse grained sand 5% ~~fine~~ SP small gravels, 2.5Y 6/4, light yellowish brown, moist, non plastic, medium dense
16–17	10 / 16.0'-17.0'	.95'/1.0'			GP	Poorly graded gravel, 40% sand, medium to very coarse grained, 2.5Y 6/4, light yellowish brown moist, non plastic medium dense
17–18	11 / 17.0'-18.0'	.95'/1.0'			SP	Poorly graded SANDS, fine to very coarse grained sand 5% small gravel, 2.5Y 6/4, light yellowish brown moist, non plastic med. dense
18–19	12 / 18.0'-19.0'	1.0'/1.0'			SC	Clayey SAND, 40% clay, fine to medium grained sand 2.5Y 5/4, light olive brown, ~~dense, non~~ SP low plastic
19–20	13 / 19.0'-20.0'	0.7'/1.0'			SM	Silty SAND, 15% silt, fine to medium grained, sand, 2.5Y 6/4 light yellowish brown, moist, medium dense, non plastic
20–					SC	Clayey SAND, 30% clay, fine to medium grained sand 2.5Y 5/4 light olive brown, moist, medium stiff SP low plastic

C-322

Drill Site Geologist: Steve Pardo Date: 7/23/87

Reviewed By: Joseph L. Rue Date: 9/29/87

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0838

Borehole: EP-75A Well Number: 23223

Depth-Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
					SC	Clayey sand (see pg 2)
21	14 / 20.0'-21.0'	1.0'/1.0'	SAME AS TUBE NUMBER	SAME AS TUBE INTERVAL	SM	Silty Sand, 15% silt, fine to coarse grained sand, 2.5Y 5/4, light olive brown, medium dense, moist, non plastic
22	15 / 21.0'-22.0'	1.0'/1.0'				
23	22.0'-23.0'	0.0'/2.0'				
24	16 / 23.0'-24.0'	1.0'/1.0'			SP	Poorly Graded SANDS, Coarse to very coarse grained sands, 5% small gravels, 2.5Y 6/4, light yellowish, brown, medium dense, saturated non plastic.
25	17 / 24.0'-25.0'	.75/1.0'				
26	25.0'-26.0'	0.0'/2.0'				
27	18 / 26.0'-28.0'	2.0'/2.0'				
28						gravels increase to 10% and size increase to small to medium gravel
29	19 / 28.0'-29.0'	1.0'/1.0'			GP	Poorly graded gravels, 30% sand, coarse to v. coarse grained, small to med size gravel, 10YR 6/4, light yellowish, brown, medium dense, saturated, non plastic
30	20 / 29.0'-31.0'	0.4'/2.0'				29.8' Claystone Bedrock, 5Y 5/3, Olive, very stiff moist, medium plastic, weathered, blocky

Drill Site Geologist: Steve Pare Date: 7/23/87

Reviewed By: Joseph L. Reed Date: 9/29/87

C-323

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

Borehole: EP-75A Well Number: 23223

Depth-Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
	20 / 29.0'-31.0'	0.6'/2.0'	SAME AS tube Number	SAME AS tube Interval		ClAystone Bedrock (see pg 3)
31	21 / 31.0'-32.0'	1.0'/1.0'				
32						TOTAL DEPTH 32.0'

Drill Site Geologist: Steve Page Date: 7/23/87

Reviewed By: Joseph L. Reed Date: 9/29/87

C-324

ESE, Inc. CORE LOG By GLG Date 7-29-87 BORE EP-75 Well(s) ______ Page 6 of 5

Box no.	Depth	Rec. Int.	Weath. U S	Structure/Bedding Angle	Desc.	Hardness S H	Perm. 1° L H	2° L H	Mineralogy Min	Habit	Color M G	Texture/Grain Size	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
					Bedrock begins at 28.9' — Casing set to 31'										
	31				Th. bde to Lam						10 YR 7/3 light Gray			ST	Siltstone
	32												10% Silt	SS	Sandstone interbed
		4.5/5.0							FeOx <1% / CaCO3 2%					ST	
	34				Massive						10 YR 6/2 light brownish gray		Silt 20%	SS	Sandstone interbed
					Th bde to Lam									CL	Claystone
	36														Oxidation boundary at 36'
	38	0/5.0													
	40														
	42				Massive						10 YR 5/1 Gray		30% Clay	SS	Sandstone interbed
														CL	Claystone
	44	4.7/5.0													
	46														
	48	3.6/5.0									10 YR 3/1 very dark Gray				

BORE EP-75 WELL(S) ______

ESE, Inc.

ESE, Inc. CORE LOG By GWL Date 7/29/87 BORE EP-75 Well(s) ~~EP75~~ Page 2 of 5

BOX NO. / DEPTH / Rec. Int.	Width U S	Structure / Bedding: Angle	Structure / Bedding: Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy: Min.	Mineralogy: Habit	Color M G	Texture / Grain Size (clay sd gr, mm .01 1.0 100)	Lith. Ch.	Lith. Class Ft	Description / Comments CM (Scale 1" = 2 ft)
			MASSIVE						10YR 3/1 very dark gray			CL	
52, 5/5							CBN 20%						
54													
							CBN 5%				10% clay	SS	Silty Sandstone
56							CBN 25%				5% silt	CL	Claystone
											GWL		
58, 4.5/5							CBN 10%						
60													
62, 4.5/5.0							CBN 5%				15% silt; 10% silt		
64			MASSIVE HEAVILY FRACTURED								10% silt	SS	Silty Sandstone
66												CL	Claystone
			INT BED								15% clay	SS	Sandstone; claystone interbeds
68, 4.0/4.0													
			INTENSELY FRACTURED				CBN 15%					CL	Claystone

ESE, Inc. CORE ... BORE EP-75 WELL(S)

C-326

ESE, Inc. CORE LOG By GWC Date 7/29/87 BORE EP-75 Well(s) ________ Page 3 of 5

Depth	Rec./Int.	Structure/Bedding Desc.	Mineralogy (Min)	Color	Lith. Char.	Lith Class	Description/Comments (Scale 1" = 2 ft)
	2/2	INTENSELY FRACTURED	CBN 10%	10YR 3/1 VERY DARK GRAY		CL	Claystone
72		MASSIVE	CBN 3%				
74	5/5				10% silt / 25% silt	SS	silty Sandstone
76					10% silt		
		INT BDD	CBN 5%		10% SAND	CL	Claystone SS INTBEDS
78			CBN 10%				
	4.5/5.0	MASSIVE					
80			CBN 3%				
					10% silt	SS	SANDSTONE
82							
84	2/5						
86							
88	1.1/2.0						

E, Inc CORE EP-75 WELL(S)

C-327

Depth	Rec./Int.	Structure/Bedding Desc.	Mineralogy	Color	Lith. Char.	Lith. Class	Description / Comments
	1.7/2.0	MASSIVE		10YR 3/1 Very Dark Gray	10% silt	SS	SANDSTONE
92							
94	5/5						
		INT BDD	CON 5%		20% clay	SS	SANDSTONE — Claystone interbeds
96							
98	4/4						
		MASSIVE, INTERNALLY FRACTURED	XLN Calc			CL	CLAYSTONE — Crystalline veins of calcite 99→101'
100							
		MASSIVE		5YR 3/2 Dark Olive Gray			
102							
104	5/5						
106				10YR 3/1 Very Dark Gray			
		INT BDD			20% silt	SS	Silty Sandstone
108							
		MASSIVE			10% silt		

C-328

Box no.	Depth	Rec. Int.	Weath. U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min	Mineralogy Habit	Color M G	Texture/Grain Size mm	Lith. Char.	Lith. Class	Description/Comments (Scale 1" = 2 ft)
		5/5			MASSIVE						10YR 3/1 Dark Gray			SS	Sandstone
	112														
	114	5/5			INTBDD				CBN 5%						Claystone intrbeds
	116														
	118	5/5			MASSIVE									CL	Claystone
	120														
	122				End of Boring										
	124														
	126														
	128														

ESE, Inc. BORE EP-75 WELL(S)

Frontier Logging
Lakewood, Colorado

Company: ESE
Bore Hole: EP-75
Area/Project: RMA
County: ADAMS COUNTY
State: COLORADO
Section:
Township:
Range:
Elevation:
Log Measured From: Ground Level

Date: JULY 27, 1987
Driller Depth: 122 Ft
Bit Size: 3 7/8"
Casing Driller: 31 Ft
Fluid in Hole: Water
Density/Viscosity:
Res:
Drilling Measured From: Ground Level
Hours Round Trip:
Standby:
Time In: 1135
Time Out: 1205
Unit No: 110
Operator: Wm. Linton
Location: Lakewood

EQUIPMENT DATA

T.D. Logged	121 Ft
Natural Gamma	200 Scale = 20 CPS per inch
Time Constant	2 Sec
Logging Speed	15 Ft/Min
Calib. Source No/Value	CPS
Probe No	103-1041
Probe Diameter	1 5/8"
Detector Type · Size	xtal 3/4 x 1 1/4"
K Factor	1.60 x 10^-5
Dead Time	7 Microsec
Water Factor	1.10 for hole size 3 7/8"
Casing Factor	for wall ds.
Resistance	50 ohms/5" Ohms per 5 inches
S.P.	10 MV/Inch MV per inch

NATURAL GAMMA REPEATS (ANALOG)
(Initial log off scale)

Scale	TC	Logging Speed	From	To	Total
= CPS/In	Sec	Ft/Min	Ft	Ft	Ft
= CPS/In	Sec	Ft/Min	Ft	Ft	Ft
= CPS/In	Sec	Ft/Min	Ft	Ft	Ft
= CPS/In	Sec	Ft/Min	Ft	Ft	Ft

Gamma (Analog)	Ft
Gamma (Digital)	Ft
Caliper	Ft
Temperature	Ft

Density Source No
Type · Strength
CPS/Inch

DIRECTIONAL DATA

Closure · Ft
Azimuth
True Vertical · Ft
Survey Depth · Ft

Neutron Source No
Type · Strength
CPS/Inch

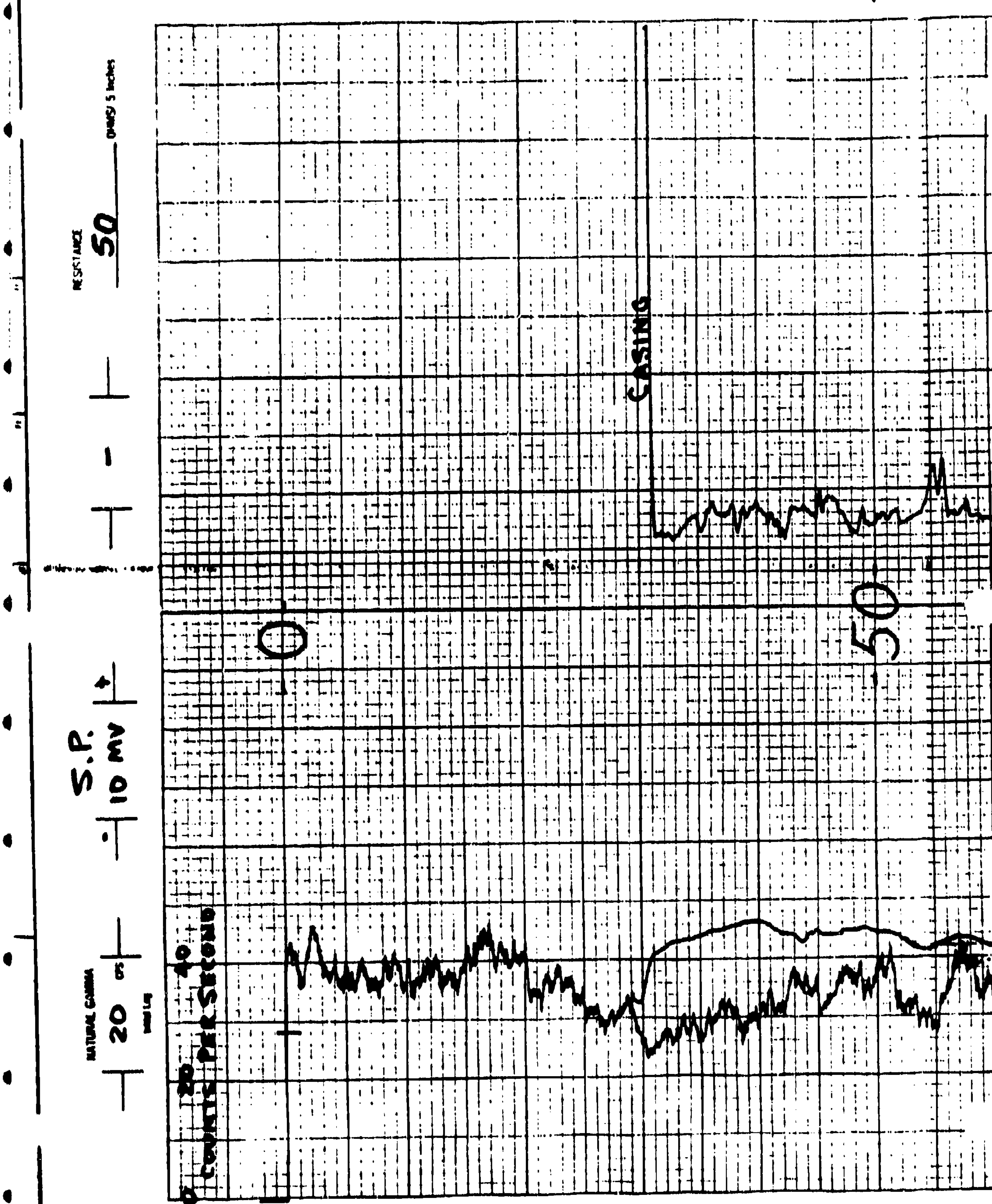
NATURAL GAMMA
20 CPS
Initial Log

S.P.
- 10 MV +

RESISTANCE
50 OHMS/ 5 Inches

C-330

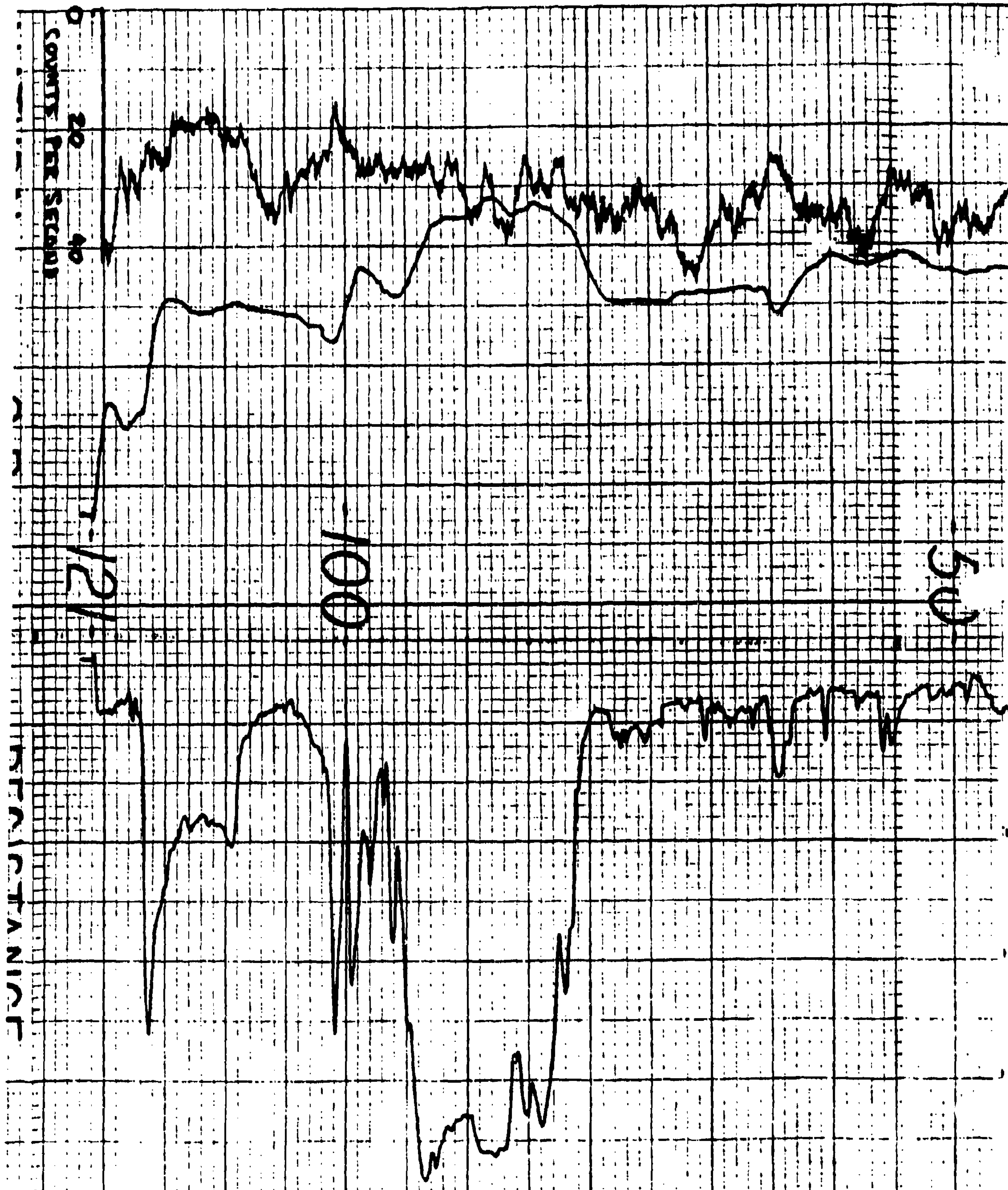
BEST AVAILABLE COPY

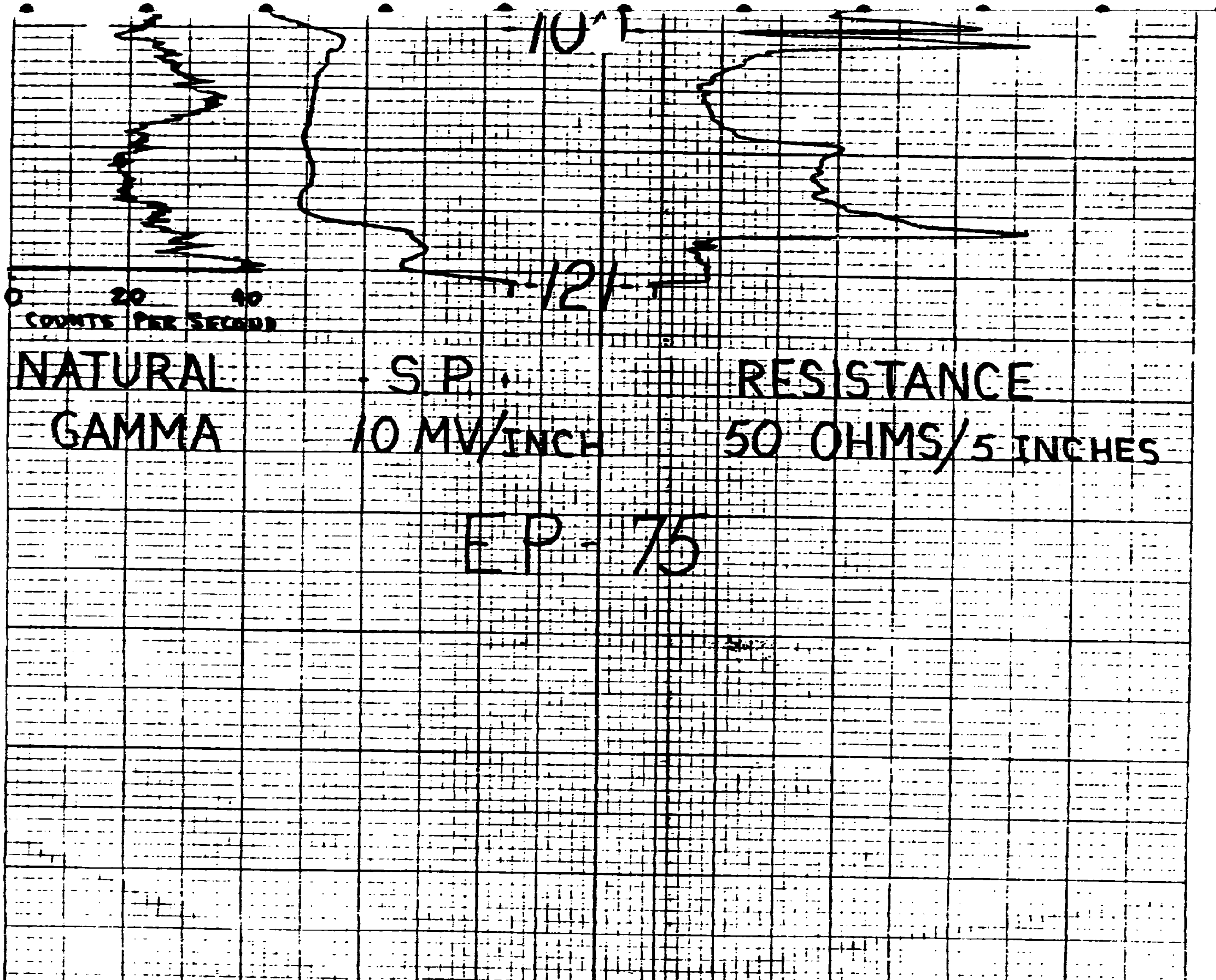


RESISTANCE
50
OHMS/ 5 Inches
S.P.
10 MV
NATURAL GAMMA
20
CPS
40
20
COUNTS PER SECOND
0
50
CASING

FRONTIER LOGGING CORPORATION

C-332




10'
121'
0
20
40
COUNTS PER SECOND
NATURAL
GAMMA
S.P.
10 MV/INCH
RESISTANCE
50 OHMS/5 INCHES
EP-75

C-333

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0630

WELL CONSTRUCTION SUMMARY

Borehole EP-75A Well 25223
Project Name and Location Task ~~36~~ 44 SP Section 23 Project Number 879370210
Drilling Company Boyles Bros Driller Don Irvine Rig Number IR
Drilling Method(s) Hollow stem auger 3¼" ID ~~7¼~~ O.D. Continuous Sampling
Reamed with 8¼ ID 12¼ OD Hollow stem Auger
Borehole Diameter 12¼ in. ____ cm. 0 ft. ____ cm. to 32.0' ft. ____ cm.
____ in. ____ cm. ____ ft. ____ cm. to ____ ft. ____ cm.

Size(s) and types of Bit(s) Hollow Stem Auger 12¼"
Size and Type PVC 4" Sch 40 0.20" slot
Total Borehole Depth 32.0' ft. ____ cm.
Depth to Bedrock 29.8' ft. ____ cm.
Depth to Water 22.7 ft. ____ cm.
Water Level Determined By sounding + sample
Length Plain PVC (total) 17.06 ~~[illegible]~~ ft. ____ cm.
Length of Screen 16.21 ft. ____ cm.
Total Length of Well Casing 33.27 ft. ____ cm.
PVC Stick Up 1.70 ft. ____ cm.
Depth to Bottom of Screen 31.57 ft. ____ cm.
Depth to Top of Screen 15.36 ft. ____ cm.
Depth to Top of Sand 11.0' ft. ____ cm.
Depth to Top of Bentonite 6.0 ft. ____ cm.

Sampling Method(s) continuous hollow stem Auger
Date/Time Start Drilling 7/15/87 0726
Date/Time Finish Drilling 7/16/87 1028
Date/Time Start Completion 7/17/87 0633
Date/Time Cement Protective Casing 7/17/87 0915
Materials Used 3 casbones, 23' of 2" tube
Plain PVC 1-10', 2-5' section
Slotted PVC 1-10', 1-5', section
Bentonite Pellets 4½ buckets
Bentonite Granular 1.5 SP. 20 bag
Cement 3 bags
Sand 11 bags
Water added during completion 0
Water added during drilling 20 gal
Total Gallons of water added 20 gal

Drill Site Geologist [signature] Date 7/17/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed ~~7/18/87~~ ~~7/ /87~~ 20 7/23/87 KLCF
Date/Time/Personnel Casing Painted 7/23/87 1100
Date/Time/Personnel Numbers Painted 7/23/87 1100
Materials Used 15 80# bags of cement mix

Top of Protective Casing to Top of PVC 0.3' ft. ____ cm.
Top of Protective Casing to Weep Hole 1.1 ft. ____ cm.
Top of Protective Casing to Internal Mortar 1.24 ft. ____ cm.
Top of Protective Casing to Top of Cement Pad 1.75 ft. ____ cm.
Top of Protective Casing to Ground Level 1.80 ft. ____ cm.

COMMENT/NOTES

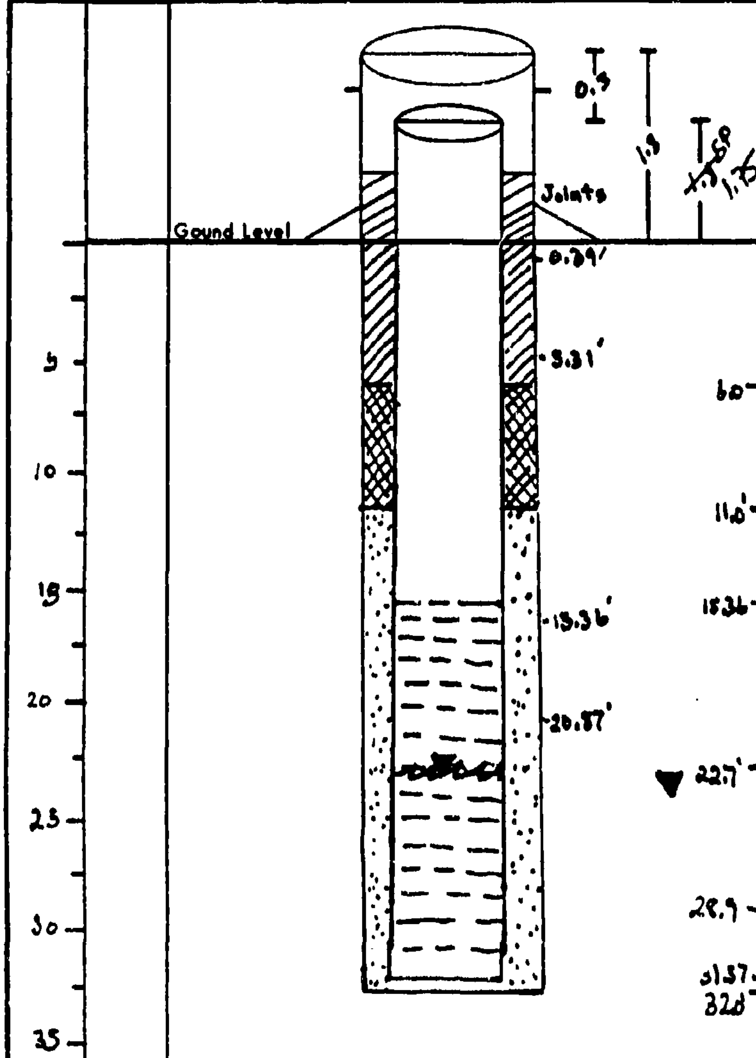
Reviewed By [signature] Date 3-5-88
Drill Site Geologist [signature] Date 3/16/88

C-334

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

Borehole: EF-75A Well: 23223

Depth-Feet	Soil/Rock Type	Well Completion	Description



Cement
- 6.0'

6.0 — Top of bentonite
Bentonite seal 6.0'-11.0'

11.0' — TOP OF SAND
SAND pack interval 11.0'-32.0'

15.36 — Top of screen
Screen interval 15.36-31.57

22.7' — static water level

28.9 — Top of Bedrock

31.57 — Bottom of screen
32.0' TOTAL DEPTH

Drill Site Geologist: Steve Parks Date: 7/17/87
Reviewed By: [illegible] Date: [illegible]

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0638

SHEET 1 OF 2

WELL DEVELOPMENT DATA

Bore EP-751 Well 23223

Project RMA ON-POST
Project Number TASK #44
Date(s) Developed 8/4/87
Date Installed 7/17/87
Personnel (Name/Company) DLW / ESE
JFP / WWA
Well Diameter (I.D.) 4 in.
Anulus Diameter [illegible] in. 0 ft. to 32 ft.
in. ft. to ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 7GPM
Screen Interval 15.36 ft. to 31.57 ft.
Bailer (Type/Capacity) N/A
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 1.8 ft.
Measured Well Depth TOC (Initial) 33.2 ft.
(Final) 32.93 ft.
Bottom of Screen (Below G.L.) 31.57 ft.
Water Level TOC/Date/Time (Initial) 24.2 / 8-4-87 / 1100
(after 24 hrs.) 24.27' / 8-17-87 / 1320
Feet of Water in Well 9.0 ft. x 2.32 gallons/foot = 20.88 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
* One Purge Volume 40.88 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 204.4 gallons
Added Water 20 gallons
Total Purge Volume 375 gallons
Casing/Anulus Volume 20.88 gallons
Volume Measured By 5 GALLON BUCKET / TIMED
Surge Technique RAISE & LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ 21 SN: 015887
pH 7.00 = 7.01 at 20.6 °C, pH 10.00 = 10.06 at 20.1 °C
Conductance Meter Used: CMC DIGITAL SN: 14243
Standard 1000 umhos/cm at 25°, Reading 1001 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	1128	22.4	7.35	3560	medium brown, v. silty, some sand.
40	1200	14.6	6.79	7730	cloudy w/ brown silt & sand and formation sand.
80	1243	15.3	6.74	7610	Partly cloudy w/ brown silt & some fine sand.
120	1328	15.6	6.72	7570	mostly clear, some brown silt.
160	1409	15.8	6.76	7520	cloudy w/ lt brown silt.
Final 215	1506	16.2	6.76	7450	mostly clear - some greenish brown silt.

Remarks: Initial HNU @ wellhead = 0.8 ppm.
Flow rate = 0.93 gpm, 0.88 gpm

* Purge Vol = 20.88 casing/anulus vol.
+ 20.0 water added.
40.88 gallons

Collected by [signature] Signature 8/4/87
Checked by [signature] Signature 5 8 88

C-336

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-75A Well 23223

Project RMA ON-POST
Project Number TASK #44
Date(s) Developed 8/11/87
Date Installed 7/17/87
Personnel (Name/Company) DLW/ESE
PJB/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12¼ in. 0 ft. to 32 ft.
____ in. ____ ft. to ____ ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 7GPM
Screen Interval 15.36 ft. to 31.57 ft.
____ ft. to ____ ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.8 ft.
Measured Well Depth TOC (Initial) 33.2 ft.
(Final) 32.93 ft.
Bottom of Screen (Below G.L.) 31.57 ft.
Water Level TOC/Date/Time (Initial) 24.2 / 8-4-87 / 1100
(after 24 hrs.) 24.27 / 8-17-87 / 1320
Feet of Water in Well 9.0 ft. x 2.32 gallons/foot = 20.88 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 40.88 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 204.4 gallons
Added Water 20 gallons
Total Purge Volume 375 gallons
Casing/Anulus Volume 20.88 gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ21 SN: 015583
pH 7.00 = 7.00 at 23.7 °C. pH 10.00 = 10.03 at 23.4 °C
Conductance Meter Used: CMS DIGITAL SN: 11341
Standard 1000 umhos/cm at 25°, Reading 1001 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 215	1004	16.5	6.85	7460	cloudy w/ brown silt & black/brown fn. sand.
255	1028	14.6	6.74	7720	mostly clear - some lt brown silt
295	11:00	15.5	6.69	7690	MOSTLY CLEAR SOME SILT
335	11:40	15.3	6.67	7750	mostly clear some very fine brown fn. sand.
375	1213	16.0	6.67	7650	clear
Final					DW

Remarks: Initial HNu @ wellhead = 0.0 ppm

1 Purge vol. = 20.88 casing/anulus vol.
+ 20.00 added water
40.88 gallons

C-337

Collected by [signature] 8/11/87
Signature
Checked by [signature] 3-8-88
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL CONSTRUCTION SUMMARY

Borehole EP-75D1 Well 23224

Project Name and Location RMA Section 23 Project Number Task 44

Drilling Company Beyhea Bros Driller Dan Irvine Rig Number IR

Drilling Method(s) rotary

Borehole Diameter 12¼" in. ____ cm. 0 ft. ____ cm. to 32.0' ft. ____ cm.
7⅞ in. ____ cm. 32.0' ft. ____ cm. to 95.0' ft. ____ cm.

Size(s) and types of Bit(s) 12¼" blade
7⅞" bit

Size and Type PVC 4" Sched 40

Total Borehole Depth 95.0 ft. ____ cm.

Depth to Bedrock 29.0 ft. ____ cm.

Depth to Water — ft. ____ cm.

Water Level Determined By ____

Length Plain PVC (total) ~~[illegible]~~ ft. ____ cm.

Length of Screen 16.23 ft. ____ cm.

Total Length of Well Casing 96.34 ft. ____ cm.

PVC Stick Up 1.54 ft. ____ cm.

Depth to Bottom of Screen 94.80 ft. ____ cm.

Depth to Top of Screen 78.57 ft. ____ cm.

Depth to Top of Sand 77.2 ft. ____ cm.

Depth to Top of Bentonite 72.0 ft. ____ cm.

Sampling Method(s) N/A

Date/Time Start Drilling 7/27/87 0915

Date/Time Finish Drilling 8/6/87 1445

Date/Time Start Completion 8/6/87 1445

Date/Time Cement Protective Casing 7/28/87 0850

Materials Used 97' of 8⅝" o.d. steel casing

Plain PVC 8-10' section, 1 cut off section

Slotted PVC 1-5' section, 1 10' section

Bentonite Pellets 1⅔ buckets

Bentonite Granular 90 lbs

Cement 28 bags

Sand 3 bags

Water added during completion 0

Water added during drilling 30 gal

Total Gallons of water added 30 gal

Drill Site Geologist Steve Pass Date 8/10/87

8/18/87/0830/DLW, JAL

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 8/19/87, 1100/DLW

Date/Time/Personnel Casing Painted 8/10/87/1538/DLW

Date/Time/Personnel Numbers Painted 8/20/87/0936/DLW, SMH

Materials Used 20 BAGS OF QUICKRETE

Top of Protective Casing to Top of PVC 0.50' ft. ____ cm.

Top of Protective Casing to Weep Hole 1.50' ft. ____ cm.

Top of Protective Casing to Internal Mortar 1.60' ft. ____ cm.

Top of Protective Casing to Top of Cement Pad 2.07' ft. ____ cm.

Top of Protective Casing to Ground Level 2.27' ft. ____ cm.

COMMENT/NOTES

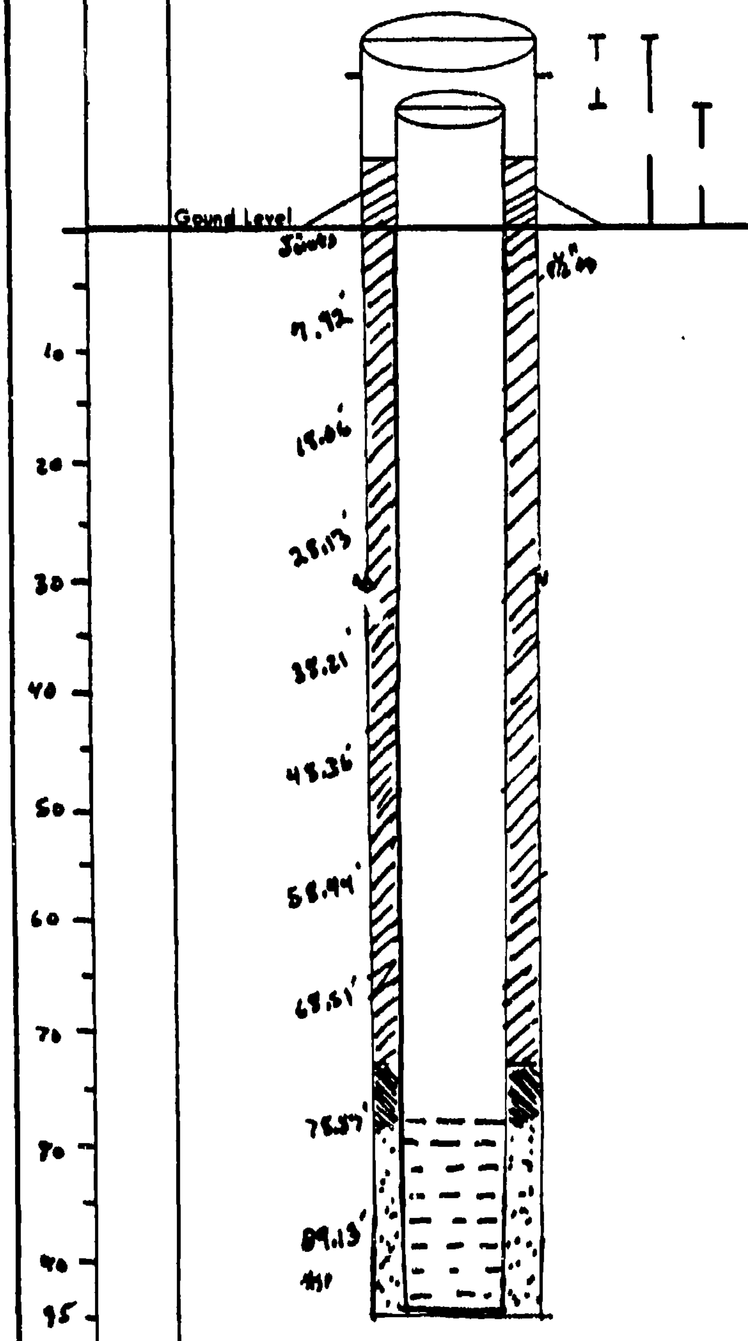
Reviewed By ____

Drill Site Geologist ____ Date ____

C-338

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

Borehole: EP-75D1 Well: ______

Depth-Feet	Soil/Rock Type	Well Completion	Description
			27.83' Centralizer 29.0' Approx. bedrock 31.77' Bottom of 8⅝" Steel casing 58.14 Centralizer 72.0 Top of bentonite 77.2' Top of sand pack 78.57' Top of Screen 94.8 Bottom of screen 95.0' Bottom of hole total depth

Drill Site Geologist: Steve Parr Date: 8/10/87
Reviewed By: ______ Date: ______

C-339

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-75D1 Well 23224

Project RMA on-post
Date(s) Developed 8-21-87
Personnel (Name/Company) DLW / ESE
SNH / ESE
Rig Used ESE Semi-Le Truck
Pump (Type/Capacity) Grundfos - 7gal/min
Bailer (Type/Capacity) N/A
Water Source RMA
Measured Well Depth TOC (Initial) 95.56 ft.
(Final) 96.25 ft.

Project Number T-44 87937
Date Installed 8-6-87
Well Diameter (I.D.) 4 in.
Anulus Diameter 12¼ in. 0 ft. to 32 ft.
7⅞ in. 32 ft. to 95 ft.
Screen Interval 78.67 ft. to 94.2 ft.
— ft. to — ft.
Casing Height (Above G.L.) 2.1 ft.
Bottom of Screen (Below G.L.) 94.80 ft.

Water Level TOC/Date/Time (Initial) 24.20 / 8-21-87 / 0802 / SNH
(after 24 hrs.) 28.54 / 09-01-87 / 1140
Feet of Water in Well 71.36 ft. x 0.653 gallons/foot = 46.60 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
Purge Water Lost N/A gallons
Added Water 30 gallons
Casing/Anulus Volume 46.60 gallons

One Purge Volume 92.24 gallons
Minimum Purge Volume 461.20 gallons
Total Purge Volume 700 gallons
Volume Measured By 50 gal. Barrel
Surge Technique Bailing + Lowering Pump

Calibration: pH Meter Used: Beckman Φ21 SN: 016883
pH 7.00 = 7.01 at 23.0 °C, pH 10.00 = 10.03 at 23.0 °C
Conductance Meter Used: CMS Digital SN: 11341
Standard 1000 umhos/cm at 25°, Reading 998 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0.0	0840	15.1	10.52	212	very cloudy, gray silt, some sand, quiet
92.0	0955	17.4	9.85	731	cloudy, gray silt
184.0	1139	18.4	9.14	949	slightly cloudy
Final					DLW

Remarks: Initial HNU: 0.0 (TOC) Flow rate = 1.37 gpm / 0.9 gpm

Collected by [signature] Signature 8/21/87

Checked by [signature] Signature 3.8.88

C-340

One purge vol: 46.60
sandpack vol: + 15.64
62.24 gal
added H_2O: + 30.00 gal
92.24

sandpacked: 95.56
- 72.20
23.36' x 0.982 = 15.64

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP-75D1 Well 23224

Project RMA ON-POST
Project Number TASK 44 87937
Date(s) Developed 8/24/87
Date Installed 8-6-87
Personnel (Name/Company) DLW/ESE
LWL/ESE
Wall Diameter (I.D.) 4 in.
Anulus Diameter 12¼ in. 0 ft. to 32 ft.
7⅞ in. 32 ft. to 95 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 7 GPM
Screen Interval 78.57 ft. to 94.8 ft.
Bailer (Type/Capacity) N/A
— ft. to — ft.
Water Source RMA
Casing Height (Above G.L.) 2.1 ft.
Measured Well Depth TOC (Initial) 95.56 ft.
Bottom of Screen (Below G.L.) 94.80 ft.
(Final) 96.25 ft.

Water Level TOC/Date/Time (Initial) 24.20/8-21-87/0802
(after 24 hrs.) 21.54/08-21-87/1140

Feet of Water in Well 71.36 ft. x 0.653 gallons/foot = 46.60 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
One Purge Volume 92.24 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 461.20 gallons
Added Water 30 gallons
Total Purge Volume 700 gallons
Casing/Anulus Volume 46.60 gallons
Volume Measured By 55 GAL. BARREL
Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ 21 SN: 015803
pH 7.00 = 7.02 at 17.6 °C, pH 10.00 = 10.09 at 17.6 °C
Conductance Meter Used: CMS DIGITAL SN: 41311
Standard 1000 umhos/cm at 25°, Reading 1000 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 184	0928	14.1	9.70	933	very cloudy w/ black fine sand and gray silt
276	1040	14.3	9.54	967	cloudy w/ gray silt
368	1229	15.6	9.32	980	partly cloudy w/ some brown-gray silt
460	1511	16.6	8.81	974	cloudy w/ gray/brown silt
Final					DLW

Remarks: Initial HNU @ TOC = 0.2 ppm. Water level = 24.59/8-24-87/0909
Flow rate = 1.5 gpm (initial) / 1.27 gpm pH meter recalibrated after break : pH 7.00 = 7.0 @ 14.0 / DLW / at 10.0 = 10.0 @ 2

ONE PURGE VOL: = 46.60 casing vol.
+ 15.64 sandpack vol.
+ 30.00 added water
92.24 gallons

Collected by [signature] Signature 8/24/87 Date

Checked by [signature] Signature 3/8-88

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-75D1 Well 23224

Project RMA ON-POST

Project Number TASK 44 87937

Date(s) Developed 8/25/87

Date Installed 8-6-87

Personnel (Name/Company) DLW / ESE, JFP / MLA

Well Diameter (I.D.) 4 in.

Anulus Diameter 12¼ in. 0 ft. to 32 ft.; 7⅞ in. 32 ft. to 95 ft.

Rig Used ESE WELL SERVICE TRUCK

Pump (Type/Capacity) GRUNDFOS / 7GPM

Screen Interval 78.57 ft. to 94.8 ft.; — ft. to — ft.

Bailer (Type/Capacity) N/A

Water Source RMA

Casing Height (Above G.L.) 2.1 ft.

Measured Well Depth TOC (Initial) 95.56 ft. (Final) 96.25 ft.

Bottom of Screen (Below G.L.) 94.80 ft.

Water Level TOC/Date/Time (Initial) 24.20 / 08-21-87/0802

(after 24 hrs.) 28.54 / 09-01-87/1140

Feet of Water in Well 71.36 ft. x 0.653 gallons/foot = 46.60 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons

One Purge Volume 92.24 gallons

Purge Water Lost N/A gallons

Minimum Purge Volume 461.20 gallons

Added Water 30 gallons

Total Purge Volume 700 gallons

Casing/Anulus Volume 46.60 gallons

Volume Measured By 55 GALLON DRUMS

Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ 21 SN: 015083

pH 7.00 = 7.02 at 18.1 °C, pH 10.00 = 10.09 at 18.0 °C

Conductance Meter Used: CMS DIGITAL SN: 11941

Standard 1000 umhos/cm at 25°, Reading 999 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 460	0916	14.1	9.11	1004	cloudy w/ gray silt & some black/brown formation sand
552	1004	15.3	9.11	1004	cloudy w/ some gray-brown silt.
644	1317	15.5	9.21	1003	cloudy w/ gray silt & very fine formation sand
700	1411	16.9	9.05	990	slightly cloudy w/ gray-brown silt
Final					DLW

Remarks: Initial HNU (TOC) = 0.2 ppm. Water level = 26.6 / 8-25-87 / 0912
Recalibration after lunch: pH 7.00 = 7.01 @ 24.7 pH 10.00 = 10.05 @ 24.5 °C.
Cond. reading = 999 umhos @ 25°C

1 Purge vol = 46.60 casing vol.
+ 15.64 sandpack vol.
30.00 added H_2O
92.24 gallons

Collected by [signature] Signature 08/25/87

Checked by [signature] Signature 3/2/88

C-342

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0830

WELL CONSTRUCTION SUMMARY

Borehole EP-75D2 Well 23225

Project Name and Location RMA Section 23 Project Number Task 44

Drilling Company Boyles Bros Driller Don Irving Rig Number IR

Drilling Method(s) rotary

Borehole Diameter 16½" in. ____ cm. 0 ft. ____ cm. to 32.0' ft. ____ cm.
11⅞ in. ____ cm. 32.0' ft. ____ cm. to 97.0' ft. ____ cm.
7⅞ 97.0' 117.0

Size(s) and types of Bit(s) 16½" Blade
11⅞ blade 7⅞" bit

Size and Type PVC 4" sched 40

Total Borehole Depth 117.0 ft. ____ cm.

Depth to Bedrock 29.8 ft. ____ cm.

Depth to Water – ft. – cm.

Water Level Determined By ————

Length Plain PVC (total) 109.14 ft. ____ cm.

Length of Screen 10.86 ft. ____ cm.

Total Length of Well Casing 120.0 ft. ____ cm.

PVC Stick Up 1.7 ft. ____ cm.

Depth to Bottom of Screen 115.28 ft. ____ cm.

Depth to Top of Screen 104.42 ft. ____ cm.

Depth to Top of Sand 101.2 ft. ____ cm.

Depth to Top of Bentonite 95.3 ft. ____ cm.

Sampling Method(s) N/A

Date/Time Start Drilling 7/29/87 0747

Date/Time Finish Drilling 8/5/87 1105

Date/Time Start Completion 8/5/87 1225

Date/Time Cement Protective Casing

Materials Used 32' of 12¾" steel casing, 98' of 8⅝" steel casing

Plain PVC 10 - 10' 1 cut off

Slotted PVC 1 - 10'

Bentonite Pellets 1¾ bucket

Bentonite Granular 3/4 bags

Cement 54 bags

Sand 2 4/6 bags

Water added during completion 0

Water added during drilling 0

Total Gallons of water added 0

Drill Site Geologist Steve Pane Date 8/10/87

MORTAR & WEEP HOLE 8-19-87/1100/DLW

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed PAD 8-18-87/1017, DLW & SMH

Date/Time/Personnel Casing Painted 8-16-87/1538/DLW

Date/Time/Personnel Numbers Painted 8-20-87/0936/DLW & SMH

Materials Used 20 BAGS QUICKRETE

Top of Protective Casing to Top of PVC 0.20 ft. ____ cm.

Top of Protective Casing to Weep Hole 1.60 ft. ____ cm.

Top of Protective Casing to Internal Mortar 1.70 ft. ____ cm.

Top of Protective Casing to Top of Cement Pad 2.15 ft. ____ cm.

Top of Protective Casing to Ground Level 2.30 ft. ____ cm.

COMMENT/NOTES

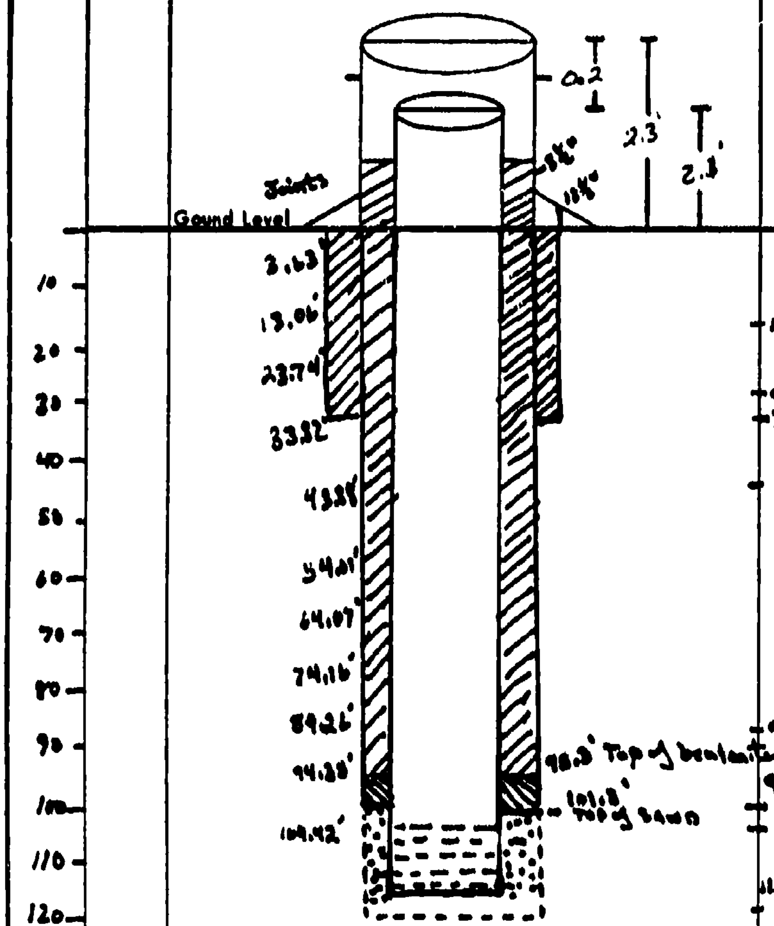
Reviewed By ____ Date ____ C-343

Drill Site Geologist Steve Pane Date 2/16/88

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

Borehole: EP-75 D2 Well: 23225

Depth-Feet	Soil/Rock Type	Well Completion	Description



- 15.0 Centralizer
- 29.0' Bedrock
- 32.10 Bottom of 12½" OD. steel casing
- 41.44 centralizer
- 94.03 Centralizer
- 97.53' Bottom of 8⅝" OD steel casing
- 104.42 Top of Screen
- 115.28 Bottom of screen
- 117.0' Total drilled depth

Drill Site Geologist: [signature] Date: 8/4/87
Reviewed By: Date:

C-344

WELL DEVELOPMENT DATA

Bore E1-75 DL   Well 23225

Project RMA ON-POST
Project Number [illegible]
Date(s) Developed 9/1/87
Date Installed 8/5/87
Personnel (Name/Company) DLW /ESE
PJB /ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 16⅝ in. 0 ft. to 32 ft.
* 11⅞ in. 32 ft. to 97 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 7 GPM
Screen Interval 104.42 ft. to 115.28 ft.
Bailer (Type/Capacity) N/A
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 2.35 ft.
Measured Well Depth TOC (Initial) 113.15 ft.
(Final) 116.91 ft.
Bottom of Screen (Below G.L.) 115.28 ft.
Water Level TOC/Date/Time (Initial) 25.22 / 9-1-87 / 733
(after 24 hrs.) 25.26 / 9-2-87 / 0831
Feet of Water in Well 87.93 ft. x 0.653 gallons/foot = 57.42 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 69.33 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 346.65 gallons
Added Water Ø gallons
Total Purge Volume 350 gallons
Casing/Anulus Volume 57.42 gallons
Volume Measured By 55 GAL. DRUM
Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ21 SN: 015883
pH 7.00 = 7.01 at 21.8 °C, pH 10.00 = 10.05 at ~~21.5~~ 21.1 °C
Conductance Meter Used: CMS DIGITAL SN: 11341
Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	0754	14.6	12.31	3310	very cloudy w/ dissolved gray bentonite/grout; black flecks
70	0905	17.3	11.95	1860	Cloudy, gray; black specs
140	1135	19.3	11.48	1615	cloudy w/ lt. gray dissolved bentonite/silt
210	1511	19.5	11.29	1519	Cloudy w/ lt. gray silt.
Final					DLW

Remarks: Initial HNU (TOC) = 0.0 ppm Flow Rate 0.5 GPM/0.49 pm
1 Purge vol. = 57.42 gal (casing vol.)
+ 11.91 gal (sand pack vol.)
69.33 gallons.
* Final anulus dia = 7⅞ 97.0' To 117.0'
HNU (TOC) 1st Vol 0.25
Sandpack = 115.28 Bott. of ~~Screen~~ Screen
− 101.30 Top of Sand
13.98
Sandpack vol. = 13.98 ft. x 0.852 gal/ft = 11.91 gallons.

Collected by [signature] 9/1/87
Signature
Checked by [signature] 2-22-88
Signature

C-345

recalibration after lunch pH 7.00 = 6.99 @ 26.9 pH 10.00 = 10.00 @ [illegible]

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-75D2 Well 23225

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 9/2/87
Date Installed 8/5/87
Personnel (Name/Company) DLW / ESE, PJE / ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 10 in. 0 ft. to 32 ft.; 11 in. 32 ft. to 97 ft.
Rig Used ESE WELL SERVICE TRAILER
Pump (Type/Capacity) GRUNDFOS / 7 GPM
Screen Interval 104.92 ft. to 115.28 ft.; — ft. to — ft.
Bailer (Type/Capacity) N/A
Water Source RAW
Casing Height (Above G.L.) 2.35 ft.
Measured Well Depth TOC (Initial) 118.15 ft. (Final) 116.91 ft.
Bottom of Screen (Below G.L.) 115.28 ft.

Water Level TOC/Date/Time (Initial) 25.22 / 9-1-87 / 733
(after 24 hrs.) 25.26 / 9-2-87 / 0831

Feet of Water in Well 87.93 ft. x 0.653 gallons/foot = 57.42 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
One Purge Volume 69.33 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 346.65 gallons
Added Water Ø gallons
Total Purge Volume 350 gallons
Casing/Anulus Volume 57.42 gallons
Volume Measured By 55 GALLON DRUM
Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ21 SN: 045082
pH 7.00 = 7.00 at 24.5 °C, pH 10.00 = 10.01 at 25.0 °C
Conductance Meter Used: CMS DIGITAL SN: 11841
Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 210	1146	15.3	11.14	1496	slightly cloudy w/ fine sand; black & white grains
280	1256	19.9	10.41	1348	V slightly cloudy, some silt/bentonite
350	1509	20.3	10.10	1372	clear
Final					DLW

Remarks: Initial HNU (TOC) = 0.0 ppm ; water level = 26.93
& Field anulus = 7 7/8 97.0' TO 117.0'

Sandpack vol. = 13.98 ft x 0.852 gal/ft = 11.91 gal.
1 Purge vol. = 57.42 (casing vol.)
+ 11.91 (Sandpack vol.)
69.33 gallons.

Collected by [signature] Signature 9/2/87

Checked by [signature] Signature 2.22.88

C-346

APPENDIX C.3: WATER CHEMISTRY DATA FOR TASK 44, 1ST, 2ND AND 4TH QUARTER, FY87

ONPOST WATER CHEMISTRY DATA

WATER CHEMISTRY SUMMARY FOR BASIN F WELLS, 1ST QUARTER, FY87

WELL 23049
AQUIFER: ALLUVIUM
SCREENED INT.: 38.4- 42.4
BEDROCK DEPTH: 45.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<34.000
112TCE	<20.000
11DCE	<11.000
11DCLE	<12.000
12DCLE	<12.200
ALDRN	<1.400
C6H6	15.400
CA	106000.000
CCL4	<48.000
CDTOT	<5.160
CH2CL2	25.600
CHCL3	6850.000
CL	5400000.000
CL6CP	<1.400
CLC6H5	<11.600
CPMS	293.000
CPMSO	<4.200
CPMSO2	461.000
CRTOT	<11.900
CUTOT	<7.930
DBCP	<0.130
DCPD	1100.000
DIMP	416.000
DITH	87.700
DLDRN	<1.200
DMDS	<1.800
DMMP	27.300
ENDRN	<1.040
ETC6H5	3.690
FL	9540.000
HGTOT	<0.500
ISODR	<1.200
K	23600.000
MEC6H5	48.400
MG	146000.000
MIBK	15.400
MXYLEN	2.120
NA	3300000.000
NIT	.
OXAT	19 800
PBTOT	<18.600
PPDDE	<1.060
PPDDT	<1 400
SO4	1360000.000
T12DCE	<12.000
TCLEE	37.500
TRCLE	11.400
XYLEN	3.490
ZNTOT	27.300
ASTOT	39.200

WELL 23095
AQUIFER: ALLUVIUM
SCREENED INT.: 44.3- 48.[illegible]
BEDROCK DEPTH: 53.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<17.000
112TCE	<10.000
11DCE	<1.100
11DCLE	2.250
12DCLE	7.570
ALDRN	<1.400
C6H6	16.000
CA	451000.000
CCL4	<24.000
CDTOT	<5.160
CH2CL2	5.150
CHCL3	1760.000
CL	5740000.000
CL6CP	<1.400
CLC6H5	<0.580
CPMS	225.000
CPMSO	12.000
CPMSO2	454.000
CRTOT	<11.900
CUTOT	<7.930
DBCP	<0.130
DCPD	747.000
DIMP	765.000
DITH	72.800
DLDRN	<1.200
DMDS	<1.800
DMMP	22.600
ENDRN	<1.040
ETC6H5	2.280
FL	9540.000
HGTOT	<0.500
ISODR	<1.200
K	37400.000
MEC6H5	5.700
MG	249000.000
MIBK	<12.900
MXYLEN	<1.350
NA	3860000.000
NIT	.
OXAT	12.200
PBTOT	<18.600
PPDDE	<1.060
PPDDT	<1.400
SO4	1400000.000
T12DCE	<12.000
TCLEE	30.500
TRCLE	11.300
XYLEN	<2.470
ZNTOT	78.600
ASTOT	28.600

WATER CHEMISTRY SUMMARY FOR BASIN F WELLS, 1ST QUARTER, FY87

WELL 23108		WELL 23142	
AQUIFER: ALLUVIUM		AQUIFER: ALLUVIUM	
SCREENED INT.: 36.5- 40.5		SCREENED INT.: 38.0- 59.4	
BEDROCK DEPTH: 38.5		BEDROCK DEPTH: 56.5	
BEDROCK LITH.: SS		BEDROCK LITH.: SH	
SCREENED ZONE: ALLUVIUM		SCREENED ZONE: ALLUVIUM	

COMPOUND	CONCENTRATION	COMPOUND	CONCENTRATION
111TCE	<1.700	111TCE	<1.700
112TCE	<1.000	112TCE	<1.000
11DCE	<1.100	11DCE	<1.100
11DCLE	<1.200	11DCLE	<1.200
12DCLE	<0.610	12DCLE	<0.610
ALDRN	<0.350	ALDRN	<0.350
C6H6	<1.340	C6H6	<1.340
CA	139000.000	CA	129000.000
CCL4	<2.400	CCL4	<2.400
CDTOT	<5.160	CDTOT	<5.160
CH2CL2	<5.000	CH2CL2	<5.000
CHCL3	<1.400	CHCL3	<1.400
CL	687000.000	CL	551000.000
CL6CP	<0.350	CL6CP	<0.350
CLC6H5	<0.580	CLC6H5	<0.580
CPMS	<1.300	CPMS	<1.300
CPMSO	<4.200	CPMSO	<4.200
CPMSO2	<4.700	CPMSO2	5.410
CRTOT	<11.900	CRTOT	<11.900
CUTOT	<7.930	CUTOT	<7.930
DBCP	<0.130	DBCP	<0.130
DCPD	<9.310	DCPD	<9.310
DIMP	<10.500	DIMP	1110.000
DITH	<1.100	DITH	24.100
DLDRN	0.7[illegible]9	DLDRN	<0.300
DMDS	<1.800	DMDS	<1.800
DMMP	<15.200	DMMP	<15.200
ENDRN	<0.260	ENDRN	<0.260
ETC6H5	<1.280	ETC6H5	<1.280
FL	2510.000	FL	2600.000
HGTOT	<0.500	HGTOT	<0.500
ISODR	<0.300	ISODR	<0.300
K	5470.000	K	4910.000
MEC6H5	<1.210	MEC6H5	<1.210
MG	58900.000	MG	39500.000
MIBK	<12.900	MIBK	<12.900
MXYLEN	<1.350	MXYLEN	<1.350
NA	639000.000	NA	469000.000
NIT	.	NIT	.
OXAT	<2.000	OXAT	4.490
PBTOT	<18.600	PBTOT	<18.600
PPDDE	<0.265	PPDDE	<0.265
PPDDT	<0.350	PPDDT	<0.350
SO4	424000.000	SO4	281000.000
T12DCE	<1.200	T12DCE	<1.200
TCLEE	<1.300	TCLEE	<1.300
TRCLE	<1.100	TRCLE	<1.100
XYLEN	<2.470	XYLEN	<2.470
ZNTOT	<20.100	ZNTOT	105.000
ASTOT	7.270	ASTOT	<3.900

WATER CHEMISTRY SUMMARY FOR BASIN F WELLS, 1ST QUARTER, FY87

WELL 26015
AQUIFER: ALLUVIUM
SCREENED INT.: 48.0- 52.0
BEDROCK DEPTH: 48.6
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	1.170
11DCE	<1.100
11DCLE	<1.200
12DCLE	0.829
ALDRN	<0.350
C6H6	<1.340
CA	250000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	1290000.000
CL6CP	<0.350
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	194.000
CRTOT	<11.900
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	599.000
DITH	13.600
DLDRN	<0.300
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.260
ETC6H5	<1.280
FL	3250.000
HGTOT	<0.500
ISODR	<0.300
K	8930.000
MEC6H5	<1.210
MG	83600.000
MIBK	<12.900
MXYLEN	<1.350
NA	739000.000
NIT	.
OXAT	3.750
PBTOT	<18.600
PPDDE	<0.265
PPDDT	<0.350
SO4	536000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	27.200
ASTOT	13.100

WELL 26017
AQUIFER: ALLUVIUM
SCREENED INT.: 43.6- 47.6
BEDROCK DEPTH: 47.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.350
C6H6	<1.340
CA	102000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	540000.000
CL6CP	<0.350
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	13.800
CRTOT	<11.900
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	118.000
DITH	<1.100
DLDRN	<0.300
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.260
ETC6H5	<1.280
FL	1990.000
HGTOT	<0.500
ISODR	<0.300
K	4910.000
MEC6H5	<1.210
MG	42300.000
MIBK	<12.900
MXYLEN	<1.350
NA	434000.000
NIT	.
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.265
PPDDT	<0.350
SO4	313000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	55.200
ASTOT	8.230

WATER CHEMISTRY SUMMARY FOR BASIN F WELLS, 1ST QUARTER, FY87

WELL 26020
AQUIFER: ALLUVIUM
SCREENED INT.: 40.0- 44.0
BEDROCK DEPTH: 43.7
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.350
C6H6	<1.340
CA	75700.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	4.380
CL	629000.000
CL6CP	<0.350
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<11.900
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	805.000
DITH	3.120
DLDRN	<0.300
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.260
ETC6H5	<1.280
FL	2080.000
HGTOT	<0.500
ISODR	<0.300
K	4030.000
MEC6H5	<1.210
MG	23100.000
MIBK	<12.900
MXYLEN	<1.350
NA	392000.000
NIT	.
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.265
PPDDT	<0.350
SO4	162000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	50.900
ASTOT	<3.900

WELL 26041
AQUIFER: DENVER
SCREENED INT.: 42.9- 46.9
BEDROCK DEPTH: 42.0
BEDROCK LITH.: SH
SCREENED ZONE: 1 SH

COMPOUND	CONCENTRATION
111TCE	<5.000
112TCE	<5.000
11DCE	<5.010
11DCLE	<5.000
12DCLE	24.500
ALDRN	<1.400
C6H6	25.400
CA	189000.000
CCL4	<4.990
CDTOT	<5.160
CH2CL2	5.890
CHCL3	<5.000
CL	27600000.000
CL6CP	<1.400
CLC6H5	<5.000
CPMS	<1.300
CPMSO	<4.200
CPMSO2	556.000
CRTOT	<11.900
CUTOT	<7.930
DBCP	<0.130
DCPD	21.700
DIMP	2720.000
DITH	59.500
DLDRN	<1.200
DMDS	<1.800
DMMP	13100.000
ENDRN	<1.040
ETC6H5	<1.280
FL	221000.000
HGTOT	1.770
ISODR	<1.200
K	100000.000
MEC6H5	308.000
MG	598000.000
MIBK	<12.900
MXYLEN	<1.350
NA	8540000.000
NIT	.
OXAT	<20.000
PBTOT	39.100
PPDDE	<1.060
PPDDT	<1.400
SO4	8110000.000
T12DCE	<5.000
TCLEE	<5.010
TRCLE	5.810
XYLEN	8.270
ZNTOT	69.700
ASTOT	17.400

WATER CHEMISTRY SUMMARY FOR BASIN F WELLS, 1ST QUARTER, FY87

WELL 26073
AQUIFER: ALLUVIUM
SCREENED INT.: 46.2- 50.2
BEDROCK DEPTH: 49.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.350
C6H6	31.200
CA	198000.000
CCL4	4.440
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	12.200
CL	170000.000
CL6CP	<0.350
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<11.900
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.300
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.260
ETC6H5	<1.280
FL	1590.000
HGTOT	<0.500
ISODR	<0.300
K	4780.000
MEC6H5	<1.210
MG	43900.000
MIBK	<12.900
MXYLEN	<1.350
NA	200000.000
NIT	.
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.265
PPDDT	<0.350
SO4	598000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	61.900
ASTOT	<3.900

WELL 26085
AQUIFER: ALLUVIUM
SCREENED INT.: 22.9- 32.1
BEDROCK DEPTH: 32.5
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.700
C6H6	<1.340
CA	457000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	23.500
CL	1730000.000
CL6CP	<0.700
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<11.900
CUTOT	21.600
DBCP	0.220
DCPD	<9.310
DIMP	97.000
DITH	<1.100
DLDRN	<0.600
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.520
ETC6H5	<1.280
FL	3000.000
HGTOT	<0.500
ISODR	<0.600
K	9000.000
MEC6H5	<1.210
MG	155000.000
MIBK	<12.900
MXYLEN	<1.350
NA	545000.000
NIT	.
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.530
PPDDT	<0.700
SO4	807000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	8.930
XYLEN	<2.470
ZNTOT	219.000
ASTOT	17.900

WATER CHEMISTRY SUMMARY FOR BASIN F WELLS, 1ST QUARTER, FY87

WELL 26127
AQUIFER: ALLUVIUM
SCREENED INT.: 41.1- 44.5
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	325000.000
CCL4	<2.400
CDTOT	7.200
CH2CL2	<5.000
CHCL3	<1.400
CL	910000.000
CL6CP	<0.070
CLC6H5	2.310
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	20.700
CUTOT	10.900
DBCP	<0.130
DCPD	<9.310
DIMP	1620.000
DITH	37.700
DLDRN	0.303
DMDS	<1.800
DMMP	.
ENDRN	<0.052
ETC6H5	<1.280
FL	1360.000
HGTOT	1.090
ISODR	<0.060
K	4470.000
MEC6H5	<1.210
MG	75900.000
MIBK	<12.900
MXYLEN	<1.350
NA	225000.000
NIT	.
OXAT	4.350
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	414000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	75.000
ASTOT	7.750

WELL 27016
AQUIFER: ALLUVIUM
SCREENED INT.: 21.0- 25.0
BEDROCK DEPTH: 25.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.350
C6H6	<1.340
CA	55900.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	541000.000
CL6CP	<0.350
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	19.500
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	13.500
DITH	<1.100
DLDRN	0.586
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.260
ETC6H5	<1.280
FL	2980.000
HGTOT	<0.500
ISODR	<0.300
K	3970.000
MEC6H5	<1.210
MG	21300.000
MIBK	<12.900
MXYLEN	<1.350
NA	542000.000
NIT	.
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.265
PPDDT	<0.350
SO4	392000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	78.700
ASTOT	<3.900

WATER CHEMISTRY SUMMARY FOR BASIN F WELLS, 2ND QUARTER, FY87

WELL 23049
AQUIFER: ALLUVIUM
SCREENED INT.: 38.4- 42.4
BEDROCK DEPTH: 45.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<170.000
112TCE	<1.000
11DCE	<1.100
11DCLE	2.670
12DCLE	<61.000
ALDRN	<0.415
ASTOT	39.600
BTZ	<1.140
C6H6	<134.000
CA	96300.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	39.100
CHCL3	10200.000
CL	5330000.000
CL6CP	<0.415
CLC6H5	<0.580
CLDAN	<0.760
CPMS	<1.080
CPMSO	<1.980
CPMSO2	493.000
CRTOT	27.500
CUTOT	<7.940
DBCP	<0.130
DCPD	1410.000
DIMP	424.000
DITH	74.300
DLDRN	0.844
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.300
ETC6H5	1.210
FL	9090.000
HGTOT	<0.359
ISODR	<0.280
K	29600.000
MEC6H5	<121.000
MG	152000.000
MIBK	15.400
MXYLEN	2.200
NA	2790000.000
NIT	195.000
OXAT	20.800
PBTOT	<18.600
PPDDE	<0.230
PPDDT	<0.295
SO4	1450000.000
T12DCE	<1.200
TCLEE	48.500
TRCLE	27.400
XYLEN	4.420
ZNTOT	162.000

WELL 23095
AQUIFER: ALLUVIUM
SCREENED INT.: 44.3- 48.3
BEDROCK DEPTH: 53.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<34.000
112TCE	<20.000
11DCE	<1.100
11DCLE	1.590
12DCLE	63.700
ALDRN	<0.415
ASTOT	15.700
BTZ	<1.140
C6H6	<1.340
CA	405000.000
CCL4	<48.000
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	1720.000
CL	6030000.000
CL6CP	<0.415
CLC6H5	<0.580
CLDAN	<0.760
CPMS	<1.080
CPMSO	<1.980
CPMSO2	524.000
CRTOT	40.400
CUTOT	15.000
DBCP	<0.130
DCPD	654.000
DIMP	770.000
DITH	74.200
DLDRN	2.750
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.300
ETC6H5	<1.280
FL	9680.000
HGTOT	<0.359
ISODR	<0.280
K	48400.000
MEC6H5	5.760
MG	226000.000
MIBK	<12.900
MXYLEN	<1.350
NA	3720000.000
NIT	<20.000
OXAT	14.000
PBTOT	<18.600
PPDDE	<0.230
PPDDT	<0.295
SO4	1420000.000
T12DCE	<1.200
TCLEE	25.200
TRCLE	16.000
XYLEN	<2.470
ZNTOT	<20.100

WATER CHEMISTRY SUMMARY FOR BASIN F WELLS, 2ND QUARTER, FY87

WELL 23108
AQUIFER: ALLUVIUM
SCREENED INT.: 36.5- 40.5
BEDROCK DEPTH: 38.5
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
ASTOT	7.870
BTZ	<1.140
C6H6	<1.340
CA	110000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	627000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	32.800
DITH	<3.340
DLDRN	0.201
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	3440.000
HGTOT	<0.359
ISODR	<0.056
K	6520.000
MEC6H5	<1.210
MG	49700.000
MIBK	<12.900
MXYLEN	<1.350
NA	541000.000
NIT	72.700
OXAT	<1.350
PBTOT	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	7970000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	65.800

WELL 23142
AQUIFER: ALLUVIUM
SCREENED INT.: 38.0- 59.4
BEDROCK DEPTH: 56.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
ASTOT	5.420
BTZ	<1.140
C6H6	<1.340
CA	111000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	605000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	11.200
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	1260.000
DITH	30.300
DLDRN	0.126
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2550.000
HGTOT	<0.359
ISODR	<0.056
K	5450.000
MEC6H5	<1.210
MG	34600.000
MIBK	<12.900
MXYLEN	<1.350
NA	415000.000
NIT	63.300
OXAT	5.500
PBTOT	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	268000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WATER CHEMISTRY SUMMARY FOR BASIN F WELLS, 2ND QUARTER, FY87

WELL 26015
AQUIFER: ALLUVIUM
SCREENED INT.: 48.0- 52.0
BEDROCK DEPTH: 48.6
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
ASTOT	9.590
BTZ	<1.140
C6H6	<1.340
CA	217000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	28.700
CL	1030000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	181.000
CRTOT	19.400
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	551.000
DITH	7.820
DLDRN	0.221
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2790.000
HGTOT	<0.359
ISODR	<0.056
K	10300.000
MEC6H5	5.280
MG	67000.000
MIBK	<12.900
MXYLEN	<1.350
NA	701000.000
NIT	> 200.000
OXAT	3.510
PBTOT	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	499000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	86.700

WELL 26017
AQUIFER: ALLUVIUM
SCREENED INT.: 43.6- 47.6
BEDROCK DEPTH: 47.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
ASTOT	6.400
BTZ	1.780
C6H6	<1.340
CA	114000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	506000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	20.800
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	162.000
DITH	5.240
DLDRN	0.205
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2210.000
HGTOT	<0.359
ISODR	<0.056
K	7280.000
MEC6H5	<1.210
MG	47600.000
MIBK	<12.900
MXYLEN	<1.350
NA	495000.000
NIT	2300.000
OXAT	6.010
PBTOT	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	318000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	43.000

WATER CHEMISTRY SUMMARY FOR BASIN F WELLS, 2ND QUARTER, FY87

WELL 26020
AQUIFER: ALLUVIUM
SCREENED INT.: 40.0- 44.0
BEDROCK DEPTH: 43.7
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
ASTOT	4.430
BTZ	<1.140
C6H6	<1.340
CA	97200.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	616000.000
CL6CP	<0.200
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	868.000
DITH	5.260
DLDRN	0.106
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2320.000
HGTOT	<0.359
ISODR	<0.056
K	5150.000
MEC6H5	<1.210
MG	26600.000
MIBK	<12.900
MXYLEN	<1.350
NA	463000.000
NIT	1910.000
OXAT	2.810
PBTOT	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	228000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	27.000

WELL 26041
AQUIFER: DENVER
SCREENED INT.: 42.9- 46.9
BEDROCK DEPTH: 42.0
BEDROCK LITH.: SH
SCREENED ZONE: 1 SH

COMPOUND	CONCENTRATION
111TCE	<34.000
112TCE	<20.000
11DCE	<22.000
11DCLE	<24.000
12DCLE	39.300
ALDRN	<0.083
ASTOT	192.000
BTZ	<1.140
C6H6	<26.800
CA	205000.000
CCL4	<48.000
CDTOT	<5.160
CH2CL2	<100.000
CHCL3	<28.000
CL	27200000.000
CL6CP	<0.200
CLC6H5	<11.600
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	692.000
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	14.600
DIMP	3260.000
DITH	53.600
DLDRN	0.470
DMDS	29.000
DMMP	> 315.000
ENDRN	<0.060
ETC6H5	<25.600
FL	189000.000
HGTOT	0.426
ISODR	<0.056
K	134000.000
MEC6H5	344.000
MG	872000.000
MIBK	<12.900
MXYLEN	<27.000
NA	19800000.000
NIT	21.500
OXAT	11.000
PBTOT	<18.600
PPDDE	<0.230
PPDDT	<0.059
SO4	7430000.000
T12DCE	<24.000
TCLEE	<26.000
TRCLE	<22.000
XYLEN	<49.400
ZNTOT	27.500

WATER CHEMISTRY SUMMARY FOR BASIN F WELLS, 2ND QUARTER, FY87

WELL 6073
AQUIFER: ALLUVIUM
SCREENED INT.: 46.2- 50.2
BEDROCK DEPTH: 49.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.166
ASTOT	<2.500
BTZ	<1.140
C6H6	<1.340
CA	214000.000
CCL4	6.290
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	14.300
CL	167000.000
CL6CP	<0.166
CLC6H5	<0.580
CLDAN	<0.304
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CRTOT	12.200
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	23.800
DITH	<3.340
DLDRN	0.402
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.120
ETC6H5	<1.280
FL	1650.000
HGTOT	<0.359
ISODR	<0.112
K	5150.000
MEC6H5	<1.210
MG	50100.000
MIBK	<12.900
MXYLEN	<1.350
NA	207000.000
NIT	4890.000
OXAT	<1.350
PBTOT	<18.600
PPDDE	<0.092
PPDDT	<0.118
SO4	716000.000
T12DCE	<1.200
TCLEE	1.340
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	28.400

WELL 26085
AQUIFER: ALLUVIUM
SCREENED INT.: 22.9- 32.1
BEDROCK DEPTH: 32.5
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.166
ASTOT	19.900
BTZ	3.360
C6H6	<1.340
CA	538000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	18.000
CL	1720000.000
CL6CP	<0.166
CLC6H5	<0.580
CLDAN	<0.304
CPMS	<1.080
CPMSO	<1.980
CPMSO2	28.600
CRTOT	43.700
CUTOT	<7.940
DBCP	0.187
DCPD	<9.310
DIMP	123.000
DITH	<3.340
DLDRN	<0.110
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.120
ETC6H5	<1.280
FL	2790.000
HGTOT	<0.359
ISODR	<0.112
K	8200.000
MEC6H5	<1.210
MG	188000.000
MIBK	<12.900
MXYLEN	<1.350
NA	681000.000
NIT	1170.000
OXAT	<1.350
PBTOT	<18.600
PPDDE	<0.092
PPDDT	<0.118
SO4	963000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	8.750
XYLEN	<2.470
ZNTOT	35.100

WATER CHEMISTRY SUMMARY FOR BASIN F WELLS, 2ND QUARTER, FY87

WELL 26127
AQUIFER: ALLUVIUM
SCREENED INT.: 41.1- 44.5
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
ASTOT	6.400
BTZ	1.320
C6H6	<1.340
CA	369000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	843000.000
CL6CP	<0.083
CLC6H5	2.990
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CRTOT	21.200
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	1420.000
DITH	41.700
DLDRN	0.090
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1480.000
HGTOT	<0.359
ISODR	<0.056
K	4840.000
MEC6H5	<1.210
MG	75600.000
MIBK	<12.900
MXYLEN	<1.350
NA	292000.000
NIT	1890.000
OXAT	5.450
PBTOT	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	399000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 27016
AQUIFER: ALLUVIUM
SCREENED INT.: 21.0- 25.0
BEDROCK DEPTH: 25.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
ASTOT	8.610
BTZ	<1.140
C6H6	<1.340
CA	<50000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	542000.000
CL6CP	<0.200
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	39.300
DITH	<3.340
DLDRN	0.447
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	3020.000
HGTOT	<0.359
ISODR	<0.056
K	2410.000
MEC6H5	<1.210
MG	16900.000
MIBK	<12.900
MXYLEN	<1.350
NA	551000.000
NIT	525.000
OXAT	<1.[illegible]50
PBTOT	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	364000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WATER CHEMISTRY SUMMARY FOR BASIN F WELLS, 4TH QUARTER, FY87

WELL 23049
AQUIFER: ALLUVIUM
SCREENED INT.: 38.4- 42.4
BEDROCK DEPTH: 45.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<34.000
112TCE	<20.000
11DCE	<22.000
11DCLE	<24.000
12DCLE	<61.000
ALDRN	<7.000
ASTOT	11.300
BTZ	<2.000
C6H6	<26.800
CA	188000.000
CCL4	<48.000
CDTOT	<5.160
CH2CL2	<100.000
CHCL3	10200.000
CL	3050000.000
CL6CP	<7.000
CLC6H5	<11.600
CLDAN	.
CPMS	<13.000
CPMSO	<4.200
CPMSO2	506.000
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	1420.000
DIMP	504.000
DITH	85.800
DLDRN	<6.000
DMDS	<1.800
DMMP	<152.000
ENDRN	<5.200
ETC6H5	<25.600
FL	<12200.000
HGTOT	<0.480
ISODR	<6.000
K	29400.000
MEC6H5	37.600
MG	281000.000
MIBK	15.600
MXYLEN	<27.000
NA	4080000.000
NIT	117.000
OXAT	20.500
PBTOT	<18.600
PPDDE	<5.300
PPDDT	<7.000
SO4	1450000.000
T12DCE	<24.000
TCLEE	33.100
TRCLE	22.300
XYLEN	<49.400
ZNTOT	<20.100

WELL 23095
AQUIFER: ALLUVIUM
SCREENED INT.: 44.3- 48.3
BEDROCK DEPTH: 53.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<17.000
112TCE	<20.000
11DCE	<11.000
11DCLE	<12.000
12DCLE	<6.100
ALDRN	<1.400
ASTOT	12.800
BTZ	<2.000
C6H6	<13.400
CA	524000.000
CCL4	<24.000
CDTOT	<5.160
CH2CL2	<50.000
CHCL3	606.000
CL	3530000.000
CL6CP	<1.400
CLC6H5	<5.800
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	563.000
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	840.000
DIMP	643.000
DITH	90.000
DLDRN	<1.200
DMDS	<1.800
DMMP	<152.000
ENDRN	<1.040
ETC6H5	<12.800
FL	<12200.000
HGTOT	<0.480
ISODR	<1.200
K	8110.000
MEC6H5	<12.100
MG	308000.000
MIBK	<12.900
MXYLEN	<13.500
NA	5090000.000
NIT	1040.000
OXAT	16.700
PBTOT	<18.600
PPDDE	<1.060
PPDDT	<1.400
SO4	1570000.000
T12DCE	<12.000
TCLEE	24.000
TRCLE	19.100
XYLEN	<24.700
ZNTOT	126.000

WATER CHEMISTRY SUMMARY FOR BASIN F WELLS, 4TH QUARTER, FY87

WELL 23108
AQUIFER: ALLUVIUM
SCREENED INT.: 36.5- 40.5
BEDROCK DEPTH: 38.5
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	7.400
BTZ	2.770
C6H6	<1.340
CA	162000.000
CCL4	<2.400
CDTOT	12.700
CH2CL2	<5.000
CHCL3	<1.400
CL	723000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	6.770
CRTOT	9.160
CUTOT	15.300
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	2780.000
HGTOT	<0.480
ISODR	<0.060
K	6670.000
MEC6H5	<1.210
MG	71300.000
MIBK	<12.900
MXYLEN	<1.350
NA	704000.000
NIT	.
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	380000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	68.500

WELL 23142
AQUIFER: ALLUVIUM
SCREENED INT.: 38.0- 59.4
BEDROCK DEPTH: 56.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	3.900
BTZ	<2.000
C6H6	<1.340
CA	118000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	694000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	13.100
CRTOT	.
CUTOT	27.000
DBCP	<0.130
DCPD	<9.310
DIMP	1260.000
DITH	> 22.200
DLDRN	0.080
DMDS	<1.800
DMMP	<152.000
ENDRN	<0.052
ETC6H5	<1.280
FL	2720.000
HGTOT	<0.480
ISODR	<0.060
K	4840.000
MEC6H5	<1.210
MG	37600.000
MIBK	<12.900
MXYLEN	<1.350
NA	447000.000
NIT	101.000
OXAT	5.270
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	276000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WATER CHEMISTRY SUMMARY FOR BASIN F WELLS, 4TH QUARTER, FY87

WELL 26015
AQUIFER: ALLUVIUM
SCREENED INT.: 48.0- 52.0
BEDROCK DEPTH: 48.6
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	8.200
BTZ	<2.000
C6H6	<1.340
CA	198000.000
CCL4	<2.400
CDTOT	5.470
CH2CL2	<5.000
CHCL3	<1.400
CL	1000000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	30.200
CRTOT	.
CUTOT	10.800
DBCP	<0.130
DCPD	<9.310
DIMP	470.000
DITH	4.010
DLDRN	<0.060
DMDS	<1.800
DMMP	<152.000
ENDRN	<0.052
ETC6H5	<1.280
FL	3040.000
HGTOT	<0.480
ISODR	<0.060
K	8160.000
MEC6H5	<1.210
MG	59900.000
MIBK	<12.900
MXYLEN	<1.350
NA	698000.000
NIT	188.000
OXAT	3.240
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	449000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	43.800

WELL 26017
AQUIFER: ALLUVIUM
SCREENED INT.: 43.6- 47.6
BEDROCK DEPTH: 47.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	4.700
BTZ	<2.000
C6H6	<1.340
CA	110000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	560000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	19.000
CRTOT	.
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	201.000
DITH	10.300
DLDRN	0.308
DMDS	<1.800
DMMP	<152.000
ENDRN	<0.052
ETC6H5	<1.280
FL	2470.000
HGTOT	<0.480
ISODR	<0.060
K	4840.000
MEC6H5	<1.210
MG	45400.000
MIBK	<12.900
MXYLEN	<1.350
NA	497000.000
NIT	2340.000
OXAT	5.610
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	285000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WATER CHEMISTRY SUMMARY FOR BASIN F WELLS, 4TH QUARTER, FY87

WELL 26020
AQUIFER: ALLUVIUM
SCREENED INT.: 40.0- 44.0
BEDROCK DEPTH: 43.7
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

WELL 26041
AQUIFER: DENVER
SCREENED INT.: 42.9- 46.9
BEDROCK DEPTH: 42.0
BEDROCK LITH.: SH
SCREENED ZONE: 1 SH

COMPOUND	CONCENTRATION (WELL 26020)	CONCENTRATION (WELL 26041)
111TCE	<1.700	<17.000
112TCE	<1.000	<20.000
11DCE	<1.100	<11.000
11DCLE	<1.200	<12.000
12DCLE	<0.610	94.900
ALDRN	<0.070	<3.500
ASTOT	.	19.900
BTZ	<2.000	<2.000
C6H6	<1.340	<13.400
CA	.	239000.000
CCL4	<2.400	<24.000
CDTOT	.	35.300
CH2CL2	<5.000	<50.000
CHCL3	<1.400	<14.000
CL	600000.000	26300000.000
CL6CP	<0.070	<3.500
CLC6H5	<0.580	<5.800
CLDAN	.	.
CPMS	<1.300	<1.300
CPMSO	<4.200	<4.200
CPMSO2	<4.700	538.000
CRTOT	.	.
CUTOT	.	27.000
DBCP	<0.130	<0.130
DCPD	<9.310	<9.310
DIMP	711.000	3920.000
DITH	3.320	46.600
DLDRN	0.075	<3.000
DMDS	<1.800	<1.800
DMMP	<152.000	13600.000
ENDRN	<0.052	<2.600
ETC6H5	<1.280	<12.800
FL	2360.000	194000.000
HGTOT	.	2.030
ISODR	<0.060	<3.000
K	.	126000.000
MEC6H5	<1.210	136.000
MG	.	774000.000
MIBK	<12.900	<12.900
MXYLEN	<1.350	<13.500
NA	.	8380000.000
NIT	.	.
OXAT	<2.000	9.480
PBTOT	.	44.200
PPDDE	<0.053	<2.650
PPDDT	<0.070	<3.500
SO4	206000.000	7690000.000
T12DCE	<1.200	<12.000
TCLEE	<1.300	<13.000
TRCLE	<1.100	<22.000
XYLEN	<2.470	<24.700
ZNTOT	.	148.000

WATER CHEMISTRY SUMMARY FOR BASIN F WELLS, 4TH QUARTER, FY87

WELL	
26073	AQUIFER: ALLUVIUM
	SCREENED INT.: 46.2- 50.2
	BEDROCK DEPTH: 49.0
	BEDROCK LITH.: SH
	SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	229000.000
CCL4	3.810
CDTOT	7.510
CH2CL2	<5.000
CHCL3	11.500
CL	176000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	21.500
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1800.000
HGTOT	<0.480
ISODR	<0.060
K	3020.000
MEC6H5	<1.210
MG	55200.000
MIBK	<12.900
MXYLEN	<1.350
NA	234000.000
NIT	5540.000
OXAT	<2.000
PBTOT	21.900
PPDDE	<0.053
PPDDT	<0.070
SO4	742000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	44.700

WELL	
26085	AQUIFER: ALLUVIUM
	SCREENED INT.: 22.9- 32.1
	BEDROCK DEPTH: 32.5
	BEDROCK LITH.: SS
	SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<1.400
ASTOT	37.400
BTZ	2.650
C6H6	<1.340
CA	695000.000
CCL4	<2.400
CDTOT	15.100
CH2CL2	<5.000
CHCL3	12.600
CL	1720000.000
CL6CP	<1.400
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	.
CUTOT	13.100
DBCP	0.180
DCPD	<9.310
DIMP	76.400
DITH	<1.100
DLDRN	<1.200
DMDS	<1.800
DMMP	<15.200
ENDRN	<1.040
ETC6H5	<1.280
FL	3340.000
HGTOT	<0.480
ISODR	<1.200
K	6170.000
MEC6H5	<1.210
MG	216000.000
MIBK	<12.900
MXYLEN	<1.350
NA	924000.000
NIT	1670.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<1.060
PPDDT	<1.400
SO4	941000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	7.400
XYLEN	<2.470
ZNTOT	101.000

WATER CHEMISTRY SUMMARY FOR BASIN F WELLS, 4TH QUARTER, FY87

WELL 26127

AQUIFER: ALLUVIUM
SCREENED INT.: 41.1- 44.5
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	10.600
BTZ	2.370
C6H6	<1.340
CA	342000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	924000.000
CL6CP	<0.070
CLC6H5	1.570
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	.
CUTOT	13.100
DBCP	<0.130
DCPD	<9.310
DIMP	1690.000
DITH	> 22.200
DLDRN	0.089
DMDS	<1.800
DMMP	<152.000
ENDRN	<0.052
ETC6H5	<1.280
FL	1610.000
HGTOT	<0.480
ISODR	<0.060
K	2520.000
MEC6H5	<1.210
MG	74000.000
MIBK	<12.900
MXYLEN	<1.350
NA	307000.000
NIT	2180.000
OXAT	7.680
PBTOT	<18.6[illegible]
PPDDE	<0.053
PPDDT	<0.070
SO4	412000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470

OFFPOST WATER CHEMISTRY DATA

OFFPOST WATER QUALITY MONITORING NETWORK, 1ST QUARTER, FY87

WELL 37305
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 27.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	1.080
11DCE	<1.100
11DCLE	<1.200
12DCLE	0.744
ALDRN	0.140
C6H6	<1.340
CA	431000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	534000.000
CL6CP	<0.070
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	1220.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1950.000
HGTOT	<0.500
ISODR	<0.060
K	1960.000
MEC6H5	<1.210
MG	4800.000
MIBK	<12.900
MXYLEN	<1.350
NA	471000.000
NIT	349.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	789000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	29.300
ASTOT	10.800

WELL 37308
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 20.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	2.000
ALDRN	0.083
C6H6	<1.340
CA	198000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	263000.000
CL6CP	<0.070
CLC6H5	<0.580
CPMS	<1.300
CPMSO	50.600
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	0.207
DCPD	58.000
DIMP	153.000
DITH	<1.100
DLDRN	0.672
DMDS	<1.800
DMMP	<15.200
ENDRN	0.658
ETC6H5	<1.280
FL	1610.000
HGTOT	<0.500
ISODR	<0.060
K	3350.000
MEC6H5	<1.210
MG	93800.000
MIBK	<12.900
MXYLEN	<1.350
NA	400000.000
NIT	2640.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	0.066
PPDDT	<0.066
SO4	2180000.000
T12DCE	<1.200
TCLEE	14.000
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	27.100
ASTOT	6.330

OFFPOST WATER QUALITY MONITORING NETWORK, 1ST QUARTER, FY87

WELL 37309
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 23.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	6.190
ALDRN	0.108
C6H6	<1.340
CA	229000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	600000.000
CL6CP	0.090
CLC6H5	<0.580
CPMS	<1.300
CPMSO	20.200
CPMSO2	24.200
CRTOT	<5.960
CUTOT	<7.930
DBCP	0.173
DCPD	618.000
DIMP	802.000
DITH	6.900
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	0.421
ETC6H5	<1.280
FL	2770.000
HGTOT	.
ISODR	<0.060
K	2140.000
MEC6H5	<1.210
MG	77500.000
MIBK	<12.900
MXYLEN	<1.350
NA	707000.000
NIT	740.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	633000.000
T12DCE	<1.200
TCLEE	59.700
TRCLE	3.300
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	7.230

WELL 37312
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 13.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	187000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	262000.000
CL6CP	<0.070
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	22.200
DITH	<1.100
DLDRN	0.289
DMDS	<1.800
DMMP	<15.200
ENDRN	0.276
ETC6H5	<1.280
FL	1920.000
HGTOT	<0.500
ISODR	<0.060
K	2590.000
MEC6H5	<1.210
MG	91800.000
MIBK	<12.900
MXYLEN	<1.350
NA	312000.000
NIT	574.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	555000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	28.600
ASTOT	4.970

OFFPOST WATER QUALITY MONITORING NETWORK, 1ST QUARTER, FY87

WELL 37313
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 28.8
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	0.299
C6H6	<1.340
CA	610000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	1520000.000
CL6CP	<0.070
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	4480.000
DITH	9.210
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	0.072
ETC6H5	<1.280
FL	2870.000
HGTOT	<0.500
ISODR	<0.060
K	6820.000
MEC6H5	<1.210
MG	191000.000
MIBK	<12.900
MXYLEN	<1.350
NA	1040000.000
NIT	<10.000
OXAT	4.140
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	1490000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	36.600
ASTOT	13.600

WELL 37320
AQUIFER: ALLUVIUM
SCREENED INT.: 22.7- 32.7
BEDROCK DEPTH: 35.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	2.390
CA	170000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	134000.000
CL6CP	<0.070
CLC6H5	11.400
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	17.100
DITH	<1.100
DLDRN	0.071
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	2320.000
MEC6H5	<1.210
MG	54700.000
MIBK	<12.900
MXYLEN	<1.350
NA	253000.000
NIT	416.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	432000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	21.800
ASTOT	<3.900

OFFPOST WATER QUALITY MONITORING NETWORK, 1ST QUARTER, FY87

WELL 37332
AQUIFER: ALLUVIUM
SCREENED INT.: 46.9- 51.4
BEDROCK DEPTH: 51.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	390000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	3.340
CL	729000.000
CL6CP	<0.070
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.447
DMDS	<1.800
DMMP	<15.200
ENDRN	0.130
ETC6H5	<1.280
FL	2130.000
HGTOT	<0.500
ISODR	<0.060
K	3310.000
MEC6H5	<1.210
MG	122000.000
MIBK	<12.900
MXYLEN	<1.350
NA	1340000.000
NIT	3940.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	403000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	77.700
ASTOT	9.040

WELL 37333
AQUIFER: ALLUVIUM
SCREENED INT.: 38.4- 47.7
BEDROCK DEPTH: 47.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	114000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	13.000
CL	374000.000
CL6CP	<0.070
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.168
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<1.000
ISODR	<0.060
K	4070.000
MEC6H5	<1.210
MG	8140.000
MIBK	<12.900
MXYLEN	<1.350
NA	352000.000
NIT	2080.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	171000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	36.800
ASTOT	6.780

OFFPOST WATER QUALITY MONITORING NETWORK, 1ST QUARTER, FY87

WELL 37335
AQUIFER: ALLUVIUM
SCREENED INT.: 38.2- 57.6
BEDROCK DEPTH: 51.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	82500.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	96600.000
CL6CP	<0.070
CLC6H5	9.870
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.068
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	2270.000
MEC6H5	<1.210
MG	11800.000
MIBK	<12.900
MXYLEN	<1.350
NA	102000.000
NIT	472.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	55200.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

WELL 37338
AQUIFER: ALLUVIUM
SCREENED INT.: 6.8- 29.2
BEDROCK DEPTH: 23.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	159000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	4.860
CL	255000.000
CL6CP	<0.070
CLC6H5	7.350
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	17.400
DITH	<1.100
DLDRN	0.090
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1470.000
HGTOT	<0.500
ISODR	<0.060
K	8420.000
MEC6H5	<1.210
MG	50600.000
MIBK	<12.900
MXYLEN	<1.350
NA	220000.000
NIT	1440.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	521000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

WELL 37339
AQUIFER: ALLUVIUM
SCREENED INT.: 11.7- 22.3
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	796000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	2140000.000
CL6CP	<0.070
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	498.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	3940.000
HGTOT	.
ISODR	<0.060
K	2460.000
MEC6H5	<1.210
MG	194000.000
MIBK	<12.900
MXYLEN	<1.350
NA	1300000.000
NIT	9480.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	2100000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	91.700
ASTOT	5.330

WELL 37341
AQUIFER: ALLUVIUM
SCREENED INT.: 20.3- 50.7
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	70300.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	62200.000
CL6CP	<0.070
CLC6H5	6.240
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	15.800
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	4440.000
MEC6H5	<1.210
MG	16600.000
MIBK	<12.900
MXYLEN	<1.350
NA	66400.000
NIT	2770.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	102000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

WELL 37342
AQUIFER: ALLUVIUM
SCREENED INT.: 12.9- 29.0
BEDROCK DEPTH: 27.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	1.090
11DCE	<1.100
11DCLE	<1.200
12DCLE	1.360
ALDRN	<0.070
C6H6	<1.340
CA	252000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	451000.000
CL6CP	<0.070
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	47.300
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	6040.000
MEC6H5	<1.210
MG	54600.000
MIBK	<12.900
MXYLEN	<1.350
NA	412000.000
NIT	7010.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	678000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

WELL 37343
AQUIFER: ALLUVIUM
SCREENED INT.: 3.7- 35.1
BEDROCK DEPTH: 35.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	2.970
ALDRN	<0.070
C6H6	<1.340
CA	174000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	407000.000
CL6CP	<0.070
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	899.000
DITH	3.570
DLDRN	0.213
DMDS	<1.800
DMMP	<15.200
ENDRN	0.090
ETC6H5	<1.280
FL	1540.000
HGTOT	<0.500
ISODR	<0.060
K	5140.000
MEC6H5	<1.210
MG	67600.000
MIBK	<12.900
MXYLEN	<1.350
NA	268000.000
NIT	86.600
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	462000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	66.600
ASTOT	4.950

OFFPOST WATER QUALITY MONITORING NETWORK, 1ST QUARTER, FY87

WELL 37344
AQUIFER: ALLUVIUM
SCREENED INT.: 15.5- 40.9
BEDROCK DEPTH: 42.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<6.100
ALDRN	<0.070
C6H6	<1.340
CA	167000.000
CCL4	7.870
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	1010.000
CL	382000.000
CL6CP	<0.070
CLC6H5	2.060
CPMS	3.230
CPMSO	91.800
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	12.000
DCPD	<9.310
DIMP	1080.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	3450.000
MEC6H5	<1.210
MG	45900.000
MIBK	<12.900
MXYLEN	<1.350
NA	14600.000
NIT	2830.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	520000.000
T12DCE	<12.000
TCLEE	102.000
TRCLE	7.160
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

WELL 37345
AQUIFER: ALLUVIUM
SCREENED INT.: 16.4- 37.1
BEDROCK DEPTH: 37.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	111000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	74500.000
CL6CP	<0.070
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	2410.000
MEC6H5	<1.210
MG	19300.000
MIBK	<12.900
MXYLEN	<1.350
NA	95200.000
NIT	242.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	222000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

OFFPOST WATER QUALITY MONITORING NETWORK, 1ST QUARTER, FY87

WELL 37346
AQUIFER: ALLUVIUM
SCREENED INT.: 8.6- 24.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	81000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	64800.000
CL6CP	<0.070
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	[illegible]15.200
ENDRN	[illegible]0.052
ETC[illegible]	<1.280
FL	[illegible]290.000
HG[illegible]	<0.500
I[illegible]	<0.060
[illegible]	3800.000
MEC6H5	<1.210
MG	14800.000
MIBK	<12.900
MXYLEN	<1.350
NA	82100.000
NIT	114.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<[illegible].066
SO4	164[illegible].000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

WELL 37347
AQUIFER: ALLUVIUM
SCREENED INT.: 23.2- 33.8
BEDROCK DEPTH: 33.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	69700.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	62000.000
CL6CP	<0.070
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	19.100
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	3450.000
MEC6H5	<1.210
MG	16400.000
MIBK	<12.900
MXYLEN	<1.350
NA	70800.000
NIT	1280.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	129000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

OFFPOST WATER QUALITY MONITORING NETWORK, 1ST QUARTER, FY87

WELL 37348
AQUIFER: ALLUVIUM
SCREENED INT.: 16.4- 42.0
BEDROCK DEPTH: 41.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	94900.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	91900.000
CL6CP	<0.070
CLC6H5	1.230
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1450.000
HGTOT	<0.500
ISODR	<0.060
K	1940.000
MEC6H5	<1.210
MG	22900.000
MIBK	<12.900
MXYLEN	<1.350
NA	96800.000
NIT	2580.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	213000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

WELL 37349
AQUIFER: ALLUVIUM
SCREENED INT.: 23.2- 43.6
BEDROCK DEPTH: 44.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	83800.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	71300.000
CL6CP	<0.070
CLC6H5	1.420
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	37.700
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1400.000
HGTOT	<0.500
ISODR	<0.060
K	1680.000
MEC6H5	<1.210
MG	22700.000
MIBK	<12.900
MXYLEN	<1.350
NA	92600.000
NIT	4710.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	148000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

OFFPOST WATER QUALITY MONITORING NETWORK, 1ST QUARTER, FY87

WELL 37350
AQUIFER: ALLUVIUM
SCREENED INT.: 26.9- 52.3
BEDROCK DEPTH: 52.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	111000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	101000.000
CL6CP	<0.070
CLC6H5	1.130
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	3670.000
MEC6H5	<1.210
MG	30700.000
MIBK	<12.900
MXYLEN	<1.350
NA	92000.000
NIT	8730.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	195000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

WELL 37351
AQUIFER: ALLUVIUM
SCREENED INT.: 17.9- 38.5
BEDROCK DEPTH: 36.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	96700.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	124000.000
CL6CP	<0.070
CLC6H5	2.880
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	12.100
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1580.000
HGTOT	<0.500
ISODR	<0.060
K	1590.000
MEC6H5	<1.210
MG	27400.000
MIBK	<12.900
MXYLEN	<1.350
NA	125000.000
NIT	8910.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	189000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

WELL 37352
AQUIFER: ALLUVIUM
SCREENED INT.: 29.8- 38.3
BEDROCK DEPTH: 37.9
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	91200.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	100000.000
CL6CP	<0.070
CLC6H5	8.810
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	1290.000
MEC6H5	<1.210
MG	22200.000
MIBK	<12.900
MXYLEN	<1.350
NA	93200.000
NIT	2710.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	180000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

WELL 37353
AQUIFER: ALLUVIUM
SCREENED INT.: 27.1- 42.4
BEDROCK DEPTH: 44.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	1.470
CA	203000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	305000.000
CL6CP	<0.070
CLC6H5	9.050
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<11.900
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	619.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	2580.000
MEC6H5	<1.210
MG	53400.000
MIBK	<12.900
MXYLEN	<1.350
NA	171000.000
NIT	7790.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	322000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

WELL 37354
AQUIFER: ALLUVIUM
SCREENED INT.: 13.8- 49.1
BEDROCK DEPTH: 49.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	112000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	11.800
CL	147000.000
CL6CP	<0.070
CLC6H5	4.260
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	13.900
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
[illegible]	<0.060
[illegible]	[illegible]720.000
[illegible]	<1.210
MG	29300.000
MIBK	<12.900
MXYLEN	<1.350
NA	108000.000
NIT	9540.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	189000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

WELL 37355
AQUIFER: ALLUVIUM
SCREENED INT.: 11.1- 71.7
BEDROCK DEPTH: 70.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	16.300
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	132000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	2.870
CL	171000.000
CL6CP	<0.070
CLC6H5	1.430
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	11.900
DITH	<1.100
DLDRN	0.104
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1450.000
HGTOT	<0.500
ISODR	<0.060
K	2280.000
MEC6H5	<1.210
MG	32500.000
MIBK	<12.900
MXYLEN	<1.350
NA	133000.000
NIT	7950.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	218000.000
T12DCE	<1.200
TCLEE	1.930
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

OFFPOST WATER QUALITY MONITORING NETWORK, 1ST QUARTER, FY87

WELL 37356
AQUIFER: ALLUVIUM
SCREENED INT.: 8.3- 38.4
BEDROCK DEPTH: 38.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	114000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	130000.000
CL6CP	<0.070
CLC6H5	1.480
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	104.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	4010.000
MEC6H5	<1.210
MG	28500.000
MIBK	<12.900
MXYLEN	<1.350
NA	126000.000
NIT	9330.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	200000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

WELL 37357
AQUIFER: ALLUVIUM
SCREENED INT.: 4.5- 19.7
BEDROCK DEPTH: 19.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	97700.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	8.450
CL	130000.000
CL6CP	<0.070
CLC6H5	1.700
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	22.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	7170.000
MEC6H5	<1.210
MG	25400.000
MIBK	<12.900
MXYLEN	<1.350
NA	99200.000
NIT	11600.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	200000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

WELL 7358
AQUIFER: ALLUVIUM
SCREENED INT.: 44.3- 59.9
BEDROCK DEPTH: 59.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	126000.000
CCL4	<2.400
CDTOT	6.530
CH2CL2	<5.000
CHCL3	<1.400
CL	75200.000
CL6CP	<0.070
CLC6H5	2.790
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<11.900
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	3020.000
MEC6H5	<1.210
MG	13400.000
MIBK	<12.900
MXYLEN	<1.350
NA	60600.000
NIT	6120.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	138000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

WELL 37359
AQUIFER: ALLUVIUM
SCREENED INT.: 23.2- 43.7
BEDROCK DEPTH: 42.9
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	5.510
112TCE	1.140
11DCE	<1.100
11DCLE	2.000
12DCLE	1.160
ALDRN	<0.070
C6H6	<1.340
CA	194000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	9.240
CL	142000.000
CL6CP	<0.070
CLC6H5	3.770
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<11.900
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	18.800
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	4030.000
MEC6H5	<1.210
MG	25900.000
MIBK	<12.900
MXYLEN	<1.350
NA	135000.000
NIT	8340.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	330000.000
T12DCE	<1.200
TCLEE	6.670
TRCLE	4.260
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

OFFPOST WATER QUALITY MONITORING NETWORK, 1ST QUARTER, FY87

WELL 37360
AQUIFER: ALLUVIUM
SCREENED INT.: 26.4-101.9
BEDROCK DEPTH: 101.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	111000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	58400.000
CL6CP	<0.070
CLC6H5	1.980
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<11.900
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	2710.000
MEC6H5	<1.210
MG	11200.000
MIBK	<12.900
MXYLEN	<1.350
NA	60500.000
NIT	8540.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	129000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

WELL 37361
AQUIFER: ALLUVIUM
SCREENED INT.: 21.7- 92.3
BEDROCK DEPTH: 92.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	93000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	107000.000
CL6CP	<0.070
CLC6H5	2.180
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	12.600
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	2650.000
MEC6H5	<1.210
MG	12600.000
MIBK	<12.900
MXYLEN	<1.350
NA	65900.000
NIT	5310.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	136000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

WELL 37362
AQUIFER: ALLUVIUM
SCREENED INT.: 34.5- 45.2
BEDROCK DEPTH: 42.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	[illegible]000.000
CCL4	[illegible].400
CDTOT	[illegible].160
CH2CL2	[illegible].000
CHCL3	<1.400
CL	240000.000
CL6CP	<0.070
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<11.900
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1670.000
HGTOT	<0.500
ISODR	<0.060
K	2710.000
MEC6H5	<1.210
MG	44600.000
MIBK	<12.900
MXYLEN	<1.350
NA	253000.000
NIT	1770.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	453000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

WELL 37363
AQUIFER: ALLUVIUM
SCREENED INT.: 6.9- 32.2
BEDROCK DEPTH: 32.1
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	51700.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	93200.000
CL6CP	<0.070
CLC6H5	4.810
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<11.900
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	3210.000
MEC6H5	<1.210
MG	14200.000
MIBK	<12.900
MXYLEN	<1.350
NA	65800.000
NIT	715.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	192000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100
ASTOT	<3.900

OFFPOST WATER QUALITY MONITORING NETWORK, 1ST QUARTER, FY87

WELL 37364
AQUIFER: ALLUVIUM
SCREENED INT.: 6.8- 27.3
BEDROCK DEPTH: 28.9
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	2.520
CA	67600.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	82800.000
CL6CP	<0.070
CLC6H5	7.230
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<11.900
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	.
ISODR	<0.060
K	6350.000
MEC6H5	<1.210
MG	13500.000
MIBK	<12.900
MXYLEN	<1.350
NA	93400.000
NIT	747.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	161000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	24.900
ASTOT	5.710

WELL 37365
AQUIFER: DENVER
SCREENED INT.: 49.1- 59.7
BEDROCK DEPTH: 33.5
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	31400.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	5.330
CHCL3	6.700
CL	53600.000
CL6CP	<0.070
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<11.900
CUTOT	<7.930
DBCP	0.348
DCPD	<9.310
DIMP	16.700
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	1260.000
MEC6H5	<1.210
MG	3520.000
MIBK	<12.900
MXYLEN	<1.350
NA	188000.000
NIT	128.000
OXAT	<2.000
PBTOT	23.200
PPDDE	<0.053
PPDDT	<0.066
SO4	234000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	4.600
XYLEN	<2.470
ZNTOT	114.000
ASTOT	<3.900

OFFPOST WATER QUALITY MONITORING NETWORK, 1ST QUARTER, FY87

WELL 37366
AQUIFER: ALLUVIUM
SCREENED INT.: 2.2- 17.2
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	107000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	44400.000
CL6CP	<0.070
CLC6H5	2.060
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<11.900
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	3650.000
MEC6H5	<1.210
MG	17500.000
MIBK	<12.900
MXYLEN	<1.350
NA	85900.000
NIT	5490.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	117000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	27.100
ASTOT	<3.900

WELL BOLLER
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	74200.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	29.300
CL	184000.000
CL6CP	<0.070
CLC6H5	1.950
CPMS	<1.300
CPMSO	11.400
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	14.500
DBCP	0.266
DCPD	<9.310
DIMP	141.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	2830.000
MEC6H5	<1.210
MG	18000.000
MIBK	<12.900
MXYLEN	<1.350
NA	82500.000
NIT	2650.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	619000.000
T12DCE	<1.200
TCLEE	5.620
TRCLE	2.670
XYLEN	<2.470
ZNTOT	23.200
ASTOT	<3.900

OFFPOST WATER QUALITY MONITORING NETWORK, 1ST QUARTER, FY87

WELL XII
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	0.104
C6H6	<1.340
CA	142000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	87200.000
CL6CP	<0.070
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.930
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	2610.000
MEC6H5	<1.210
MG	35300.000
MIBK	<12.900
MXYLEN	<1.350
NA	187000.000
NIT	4270.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	142000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	123.000

WELL CIII
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 58.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
C6H6	<1.340
CA	111000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	96700.000
CL6CP	<0.070
CLC6H5	<0.580
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	8.650
CUTOT	8.060
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.500
ISODR	<0.060
K	3660.000
MEC6H5	<1.210
MG	13900.000
MIBK	<12.900
MXYLEN	<1.350
NA	58400.000
NIT	10400.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.066
SO4	189000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	2.010
XYLEN	<2.470
ZNTOT	44.400
ASTOT	<3.900

OFFPOST WATER QUALITY MONITORING NETWORK, 2ND QUARTER, FY87

WELL .7308
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 20.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	2.550
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	123000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	9.340
CHCL3	<1.400
CL	246000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	10.800
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	0.249
DCPD	58.600
DIMP	86.700
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	2070.000
HGTOT	<0.359
ISODR	<0.060
K	6080.000
MEC6H5	<1.210
MG	66600.000
MIBK	<12.900
MXYLEN	<1.350
NA	273000.000
NIT	835.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	440000.000
T12DCE	<1.200
TCLEE	29.600
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37309
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 23.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<1.400
ASTOT	2.810
BTZ	<2.000
C6H6	<1.340
CA	126000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	[illegible].060
CHCL3	<1.400
CL	514000.000
CL6CP	<1.400
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	24.000
CPMSO2	35.400
CRTOT	<5.960
CUTOT	<7.940
DBCP	0.183
DCPD	736.000
DIMP	1020.000
DITH	8.340
DLDRN	<1.200
DMDS	<1.800
DMMP	<15.200
ENDRN	<1.040
ETC6H5	<1.280
FL	1850.000
HGTOT	<0.359
ISODR	<1.200
K	4010.000
MEC6H5	5.330
MG	60800.000
MIBK	<12.900
MXYLEN	<1.350
NA	499000.000
NIT	2080.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<1.060
PPDDT	<1.400
SO4	624000.000
T12DCE	<1.200
TCLEE	70.900
TRCLE	3.040
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 2ND QUARTER, FY87

WELL 37312

AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 13.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.700
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	129000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	247000.000
CL6CP	<0.700
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	23.700
DIMP	23.000
DITH	<1.100
DLDRN	1.170
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.520
ETC6H5	<1.280
FL	1890.000
HGTOT	<0.359
ISODR	<0.600
K	4530.000
MEC6H5	<1.210
MG	66000.000
MIBK	<12.900
MXYLEN	<1.350
NA	231000.000
NIT	124.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.530
PPDDT	<0.700
SO4	473000.000
T12DCE	<1.200
TCLEE	3.290
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37313

AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 28.8
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	0.757
ALDRN	<0.700
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	510000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	1340000.000
CL6CP	<0.700
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	24.800
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	5180.000
DITH	13.200
DLDRN	<0.600
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.520
ETC6H5	<1.280
FL	2770.000
HGTOT	<0.359
ISODR	<0.600
K	12700.000
MEC6H5	<1.210
MG	173000.000
MIBK	<12.900
MXYLEN	<1.350
NA	1020000.000
NIT	<10.000
OXAT	4.880
PBTOT	<18.600
PPDDE	<0.530
PPDDT	<0.700
SO4	1470000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 2ND QUARTER, FY87

WELL 37320
AQUIFER: ALLUVIUM
SCREENED INT.: 22.7- 32.7
BEDROCK DEPTH: 35.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	130000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	145000.000
CL6CP	<0.070
CLC6H5	0.772
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	27.100
DITH	<1.100
DLDRN	0.070
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.359
ISODR	<0.060
K	5050.000
MEC6H5	<1.210
MG	42600.000
MIBK	<12.900
MXYLEN	<1.350
NA	180000.000
NIT	3860.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	417000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	21.500

WELL 37332
AQUIFER: ALLUVIUM
SCREENED INT.: 46.9- 51.4
BEDROCK DEPTH: 51.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.700
ASTOT	4.830
BTZ	<2.000
C6H6	1.550
CA	129000.000
CCL4	<2.400
CDTOT	7.530
CH2CL2	<5.000
CHCL3	2.520
CL	673000.000
CL6CP	1.020
CLC6H5	5.700
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.742
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.520
ETC6H5	<1.280
FL	2410.000
HGTOT	<0.359
ISODR	<0.600
K	7110.000
MEC6H5	<1.210
MG	43200.000
MIBK	<12.900
MXYLEN	<1.350
NA	544000.000
NIT	4650.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.530
PPDDT	<0.700
SO4	393000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 2ND QUARTER, FY87

WELL 37333
AQUIFER: ALLUVIUM
SCREENED INT.: 38.4- 47.7
BEDROCK DEPTH: 47.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	83000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	14.900
CL	372000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.084
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.359
ISODR	<0.060
K	7620.000
MEC6H5	<1.210
MG	6750.000
MIBK	<12.900
MXYLEN	<1.350
NA	247000.000
NIT	2820.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	163000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37335
AQUIFER: ALLUVIUM
SCREENED INT.: 38.2- 57.6
BEDROCK DEPTH: 51.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	79400.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	103000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.078
DMDS	<1.800
DMMP	15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.359
ISODR	<0.060
K	4010.000
MEC6H5	<1.210
MG	12700.000
MIBK	<12.900
MXYLEN	<1.350
NA	87200.000
NIT	250.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	56300.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	25.100

OFFPOST WATER QUALITY MONITORING NETWORK, 2ND QUARTER, FY87

WELL 37338
AQUIFER: ALLUVIUM
SCREENED INT.: 6.8- 29.2
BEDROCK DEPTH: 23.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	143000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	2.950
CL	134000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<0.500
DITH	1.100
DLDRN	0.063
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1280.000
HGTOT	<0.359
ISODR	<0.060
K	31900.000
MEC6H5	<1.210
MG	45700.000
MIBK	<12.900
MXYLEN	<1.350
NA	209000.000
NIT	1620.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	388000.000
T12DCE	<1.200
TCLEE	1.690
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	37.200

WELL 37339
AQUIFER: ALLUVIUM
SCREENED INT.: 11.7- 22.3
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	818000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	2220000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	39.800
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	724.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	4240.000
HGTOT	<0.359
ISODR	<0.060
K	5050.000
MEC6H5	<1.210
MG	203000.000
MIBK	<12.900
MXYLEN	<1.350
NA	1390000.000
NIT	8610.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	2120000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	37.900

OFFPOST WATER QUALITY MONITORING NETWORK, 2ND QUARTER, FY87

WELL 37340
AQUIFER: ALLUVIUM
SCREENED INT.: 23.5- 34.1
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	192000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	225000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	9.550
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	39.200
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1890.000
HGTOT	<0.359
ISODR	<0.060
K	6190.000
MEC6H5	<1.210
MG	41400.000
MIBK	<12.900
MXYLEN	<1.350
NA	338000.000
NIT	4090.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	589000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37341
AQUIFER: ALLUVIUM
SCREENED INT.: 20.3- 50.7
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	107000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	72800.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.359
ISODR	<0.060
K	7110.000
MEC6H5	<1.210
MG	17400.000
MIBK	<12.900
MXYLEN	<1.350
NA	86700.000
NIT	324.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	146000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 2ND QUARTER, FY87

WELL 37342
AQUIFER: ALLUVIUM
SCREENED INT.: 12.9- 29.0
BEDROCK DEPTH: 27.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	0.936
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	281000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	461000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	17.600
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	57.100
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1280.000
HGTOT	<0.359
ISODR	<0.060
K	9150.000
MEC6H5	<1.210
MG	61000.000
MIBK	<12.900
MXYLEN	<1.350
NA	403000.000
NIT	5200.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	716000.000
T12DCE	<1.200
TCLEE	1.360
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37343
AQUIFER: ALLUVIUM
SCREENED INT.: 3.7- 35.1
BEDROCK DEPTH: 35.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	2.740
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	185000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	303000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	10.900
CUTOT	<7.940
DBCP	<0.130
DCPD	20.300
DIMP	1110.000
DITH	1.940
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1550.000
HGTOT	<0.359
ISODR	<0.060
K	7110.000
MEC6H5	<1.210
MG	68800.000
MIBK	<12.900
MXYLEN	<1.350
NA	294000.000
NIT	21.400
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	416000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 2ND QUARTER, FY87

WELL 37344 AQUIFER: ALLUVIUM
SCREENED INT.: 15.5- 40.9
BEDROCK DEPTH: 42.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<12.200
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	207000.000
CCL4	8.970
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	1370.000
CL	388000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	3.410
CPMSO	104.000
CPMSO2	<4.700
CRTOT	9.100
CUTOT	<7.940
DBCP	13.400
DCPD	<9.310
DIMP	1340.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1280.000
HGTOT	<0.359
ISODR	<0.060
K	6660.000
MEC6H5	<1.210
MG	53900.000
MIBK	<12.900
MXYLEN	<1.350
NA	338000.000
NIT	2700.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	497000.000
T12DCE	<1.200
TCLEE	111.000
TRCLE	6.620
XYLEN	<2.470
ZNTOT	<20.100

WELL 37345 AQUIFER: ALLUVIUM
SCREENED INT.: 16.4- 37.1
BEDROCK DEPTH: 37.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	127000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	84500.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.359
ISODR	<0.060
K	5050.000
MEC6H5	<1.210
MG	18100.000
MIBK	<12.900
MXYLEN	<1.350
NA	90900.000
NIT	51.900
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	198000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 2ND QUARTER, FY87

WELL [illegible]346
AQUIFER: ALL[illegible]UM
SCREENED INT.[illegible] [illegible]8.6- 24.0
BEDROCK DEPTH: [illegible].0
BEDROCK LITH.: S[illegible]
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	.
112TCE	.
11DCE	.
11DCLE	<1.930
12DCLE	.
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	.
CA	99000.000
CCL4	.
CDTOT	<5.160
CH2CL2	.
CHCL3	.
CL	98400.000
CL6CP	<0.070
CLC6H5	.
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	9.110
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.[illegible]00
DLDRN	<0.[illegible]60
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	.
FL	1270.000
HGTOT	<0.359
ISODR	<0.060
K	5050.000
MEC6H5	.
MG	17100.000
MIBK	<12.900
MXYLEN	.
NA	80600.000
NIT	70.200
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	166000.000
T12DCE	.
TCLEE	.
TRCLE	.
XYLEN	.
ZNTOT	<20.100

WELL 37347
AQUIFER: ALLUVIUM
SCREENED INT.: 23.2- 33.8
BEDROCK DEPTH: 33.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	110000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	147000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	8.330
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	256.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.359
ISODR	<0.060
K	6190.000
MEC6H5	<1.210
MG	25900.000
MIBK	<12.900
MXYLEN	<1.350
NA	89000.000
NIT	820.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	182000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 2ND QUARTER, FY87

WELL 37348 AQUIFER: ALLUVIUM
SCREENED INT.: 16.4- 42.0
BEDROCK DEPTH: 41.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	110000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	2.430
CL	83500.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1580.000
HGTOT	<0.359
ISODR	<0.060
K	3370.000
MEC6H5	<1.210
MG	20000.000
MIBK	<12.900
MXYLEN	<1.350
NA	109000.000
NIT	1950.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	204000.000
T12DCE	<1.200
TCLEE	2.090
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37349 AQUIFER: ALLUVIUM
SCREENED INT.: 23.2- 43.6
BEDROCK DEPTH: 44.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	153000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	143000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	201.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1280.000
HGTOT	<0.359
ISODR	<0.060
K	3370.000
MEC6H5	<1.210
MG	38800.000
MIBK	<12.900
MXYLEN	<1.350
NA	123000.000
NIT	8250.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	227000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37350
AQUIFER: ALLUVIUM
SCREENED INT.: 26.9- 52.3
BEDROCK DEPTH: 52.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

WELL 37351
AQUIFER: ALLUVIUM
SCREENED INT.: 17.9- 38.5
BEDROCK DEPTH: 36.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION (WELL 37350)	COMPOUND	CONCENTRATION (WELL 37351)
111TCE	<1.700	111TCE	<1.700
112TCE	<1.000	112TCE	<1.000
11DCE	<1.100	11DCE	<1.[illegible]
11DCLE	<1.200	11DCLE	<1.200
12DCLE	<0.610	12DCLE	<0.610
ALDRN	<0.070	ALDRN	<0.070
ASTOT	<2.500	ASTOT	<2.500
BTZ	<2.000	BTZ	<2.000
C6H6	<1.340	C6H6	<1.340
CA	141000.000	CA	132000.000
CCL4	<2.400	CCL4	<2.400
CDTOT	<5.160	CDTOT	<5.160
CH2CL2	<5.000	CH2CL2	<5.000
CHCL3	<1.400	CHCL3	<1.400
CL	98200.000	CL	<120000.000
CL6CP	<0.070	CL6CP	<0.070
CLC6H5	<0.580	CLC6H5	<0.580
CLDAN	.	CLDAN	.
CPMS	<1.300	CPMS	<1.300
CPMSO	<4.200	CPMSO	<4.200
CPMSO2	<4.700	CPMSO2	<4.700
CRTOT	<5.960	CRTOT	<5.960
CUTOT	<7.940	CUTOT	<7.940
DBCP	<0.130	DBCP	<0.130
DCPD	<9.310	DCPD	<9.310
DIMP	17.400	DIMP	15.300
DITH	<1.100	DITH	<1.100
DLDRN	<0.060	DLDRN	<0.060
DMDS	<1.800	DMDS	<1.800
DMMP	<15.200	DMMP	<15.200
ENDRN	<0.052	ENDRN	<0.052
ETC6H5	<1.280	ETC6H5	<1.280
FL	<1[illegible]0.000	FL	1590.000
HGTOT	<0.359	HGTOT	<0.359
ISODR	<0.060	ISODR	<0.060
K	5570.000	K	3490.000
MEC6H5	<1.210	MEC6H5	<1.210
MG	33700.000	MG	33000.000
MIBK	<12.900	MIBK	<12.900
MXYLEN	<1.350	MXYLEN	<1.350
NA	92100.000	NA	112000.000
NIT	7390.000	NIT	9360.000
OXAT	<2.000	OXAT	<2.000
PBTOT	<18.600	PBTOT	<18.600
PPDDE	<0.053	PPDDE	<0.053
PPDDT	<0.070	PPDDT	<0.070
SO4	248000.000	SO4	210000.000
T12DCE	<1.200	T12DCE	<1.200
TCLEE	<1.300	TCLEE	<1.300
TRCLE	<1.100	TRCLE	<1.100
XYLEN	<2.470	XYLEN	<2.470
ZNTOT	52.800	ZNTOT	36.600

OFFPOST WATER QUALITY MONITORING NETWORK, 2ND QUARTER, FY87

WELL 37352
AQUIFER: ALLUVIUM
SCREENED INT.: 29.8- 38.3
BEDROCK DEPTH: 37.9
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	101000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	88400.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1340.000
HGTOT	<0.359
ISODR	<0.060
K	2970.000
MEC6H5	<1.210
MG	18300.000
MIBK	<12.900
MXYLEN	<1.350
NA	84300.000
NIT	3610.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	181000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	34.600

WELL 37353
AQUIFER: ALLUVIUM
SCREENED INT.: 27.1- 42.4
BEDROCK DEPTH: 44.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	157000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	268000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	632.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.359
ISODR	<0.060
K	4530.000
MEC6H5	<1.210
MG	42000.000
MIBK	<12.900
MXYLEN	<1.350
NA	156000.000
NIT	4990.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	289000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	41.000

WELL 37354
AQUIFER: ALLUVIUM
SCREENED INT.: 13.8- 49.1
BEDROCK DEPTH: 49.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	108000.000
CCL4	<2.400
CDTOT	41.200
CH2CL2	<5.000
CHCL3	3.960
CL	103000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	39.300
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	12.400
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1300.000
HGTOT	<0.359
ISODR	<0.060
K	4010.000
MEC6H5	<1.210
MG	25800.000
MIBK	<12.900
MXYLEN	<1.350
NA	91800.000
NIT	8440.000
OXAT	<2.000
PBTOT	52.100
PPDDE	<0.053
PPDDT	<0.070
SO4	168000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	62.800

WELL 37355
AQUIFER: ALLUVIUM
SCREENED INT.: 11.1- 71.7
BEDROCK DEPTH: 70.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	5.290
112TCE	1.560
11DCE	<1.100
11DCLE	<1.200
12DCLE	1.540
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	114000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	1.550
CL	130000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.094
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1630.000
HGTOT	<0.359
ISODR	<0.060
K	4310.000
MEC6H5	<1.210
MG	28100.000
MIBK	<12.900
MXYLEN	<1.350
NA	120000.000
NIT	7880.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	200000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	60.400

OFFPOST WATER QUALITY MONITORING NETWORK, 2ND QUARTER, FY87

WELL 37356
AQUIFER: ALLUVIUM
SCREENED INT.: 8.3- 38.4
BEDROCK DEPTH: 38.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	130000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	138000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	125.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.359
ISODR	<0.060
K	6600.000
MEC6H5	<1.210
MG	31800.000
MIBK	<12.900
MXYLEN	<1.350
NA	122000.000
NIT	8880.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	207000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	76.200

WELL 37357
AQUIFER: ALLUVIUM
SCREENED INT.: 4.5- 19.7
BEDROCK DEPTH: 19.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	116000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	20.600
CL	114000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	30.600
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.359
ISODR	<0.060
K	9660.000
MEC6H5	<1.210
MG	30900.000
MIBK	<12.900
MXYLEN	<1.350
NA	118000.000
NIT	8930.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	197000.000
T12DCE	<1.200
TCLEE	2.840
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 2ND QUARTER, FY87

WELL 37358
AQUIFER: ALLUVIUM
SCREENED INT.: 44.3- 59.9
BEDROCK DEPTH: 59.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	258000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	80800.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.359
ISODR	<0.060
K	5050.000
MEC6H5	<1.210
MG	13500.000
MIBK	<12.900
MXYLEN	<1.350
NA	61900.000
NIT	3180.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	133000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	25.400

WELL 37359
AQUIFER: ALLUVIUM
SCREENED INT.: 23.2- 43.7
BEDROCK DEPTH: 42.9
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	2.740
112TCE	<1.000
11DCE	<1.100
11DCLE	2.100
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	216000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	138000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	24.000
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.359
ISODR	<0.060
K	7120.000
MEC6H5	<1.210
MG	30100.000
MIBK	<12.900
MXYLEN	<1.350
NA	147000.000
NIT	9590.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	337000.000
T12DCE	<1.200
TCLEE	2.780
TRCLE	3.180
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 2ND QUARTER, FY87

WELL 37360
AQUIFER: ALLUVIUM
SCREENED INT.: 26.4-101.9
BEDROCK DEPTH: 101.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	155000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	56900.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	7.230
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.359
ISODR	<0.060
K	3840.000
MEC6H5	<1.210
MG	13200.000
MIBK	<12.900
MXYLEN	<1.350
NA	73500.000
NIT	8000.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	123000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37361
AQUIFER: ALLUVIUM
SCREENED INT.: 21.7- 92.3
BEDROCK DEPTH: 92.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	105000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	58700.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.359
ISODR	<0.060
K	4310.000
MEC6H5	<1.210
MG	13000.000
MIBK	<12.900
MXYLEN	<1.350
NA	64900.000
NIT	6310.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	148000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 2ND QUARTER, FY87

WELL 37362
AQUIFER: ALLUVIUM
SCREENED INT.: 34.5- 45.2
BEDROCK DEPTH: 42.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	144000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	1.760
CL	213000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	18[illegible]0.000
HGTOT	<0.359
ISODR	<0.060
K	5050.000
MEC6H5	<1.210
MG	50800.000
MIBK	<12.900
MXYLEN	<1.350
NA	278000.000
NIT	1710.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	456000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	65.000

WELL 37363
AQUIFER: ALLUVIUM
SCREENED INT.: 6.9- 32.2
BEDROCK DEPTH: 32.1
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	86600.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	102000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.359
ISODR	<0.060
K	4780.000
MEC6H5	<1.210
MG	16000.000
MIBK	<12.900
MXYLEN	<1.350
NA	89500.000
NIT	2420.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	180000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 2ND QUARTER, FY87

WELL 37364
AQUIFER: ALLUVIUM
SCREENED INT.: 6.8- 27.3
BEDROCK DEPTH: 28.9
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	4.230
BTZ	<2.000
C6H6	<1.340
CA	72200.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	107000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.359
ISODR	<0.060
K	8130.000
MEC6H5	<1.210
MG	12500.000
MIBK	<12.900
MXYLEN	<1.350
NA	111000.000
NIT	660.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	176000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37366
AQUIFER: ALLUVIUM
SCREENED INT.: 2.2- 17.2
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<2.500
BTZ	<2.000
C6H6	<1.340
CA	129000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	37400.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1200.000
HGTOT	<0.359
ISODR	<0.060
K	5720.000
MEC6H5	<1.210
MG	19900.000
MIBK	<12.900
MXYLEN	<1.350
NA	100000.000
NIT	6120.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	110000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORI[illegible] NETWORK, 2ND QUARTER, FY87

WELL BOLLER
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
ASTOT	<2.500
BTZ	<1.140
C6H6	<1.340
CA	181000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	24.900
CL	180000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	11.700
CPMSO2	<2.240
CRTOT	<5.960
CUTOT	<7.940
DBCP	.
DCPD	<9.310
DIMP	152.000
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	[illegible].280
FL	[illegible]0.000
HGTOT	<0.359
ISODR	<0.056
K	3630.000
MEC6H5	<1.210
MG	57200.000
MIBK	<12.900
MXYLEN	<1.350
NA	269000.000
NIT	2630.000
OXAT	<1.350
PBTOT	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	591000.000
T12DCE	<1.200
TCLEE	5.810
TRCLE	1.480
XYLE'	<2.470
ZNT	76.800

WELL CIII
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 58.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
ASTOT	<2.500
BTZ	<1.140
C6H6	<1.340
CA	149000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	86900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CRTOT	25.100
CUTOT	<7.940
DBCP	.
DCPD	<9.310
DIMP	<10.500
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.359
ISODR	<0.056
K	4240.000
MEC6H5	<1.210
MG	14400.000
MIBK	<12.900
MXYLEN	<1.350
NA	70700.000
NIT	3[illegible]10.000
OXAT	<1.350
PBTOT	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	172000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	1.250
XYLEN	<2.470
ZNTOT	61.700

OFFPOST WATER QUALITY MONITORING NETWORK, 2ND QUARTER, FY87

WELL XII

AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
ASTOT	<2.500
BTZ	<1.140
C6H6	<1.340
CA	76200.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	55500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CRTOT	<5.960
CUTOT	<7.940
DBCP	.
DCPD	<9.310
DIMP	<10.500
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.359
ISODR	<0.056
K	3630.000
MEC6H5	<1.210
MG	17000.000
MIBK	<12.900
MXYLEN	<1.350
NA	84600.000
NIT	3560.000
OXAT	<1.350
PBTOT	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	120000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 4TH QUARTER, FY87

WELL 37308
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 20.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	0.604
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	111000.000
CCL4	<2.400
CDTOT	5.470
CH2CL2	<5.000
CHCL3	<1.400
CL	267000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	63.800
CPMSO2	<4.700
CRTOT	.
CUTOT	8.390
DBCP	<0.130
DCPD	30.500
DIMP	43.700
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	2190.000
HGTOT	<0.480
ISODR	<0.060
K	4640.000
MEC6H5	<1.210
MG	64400.000
MIBK	<12.900
MXYLEN	<1.350
NA	276000.000
NIT	924.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	409000.000
T12DCE	<1.200
TCLEE	9.360
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	23.400

WELL 37309
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 23.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	4.150
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	117000.000
CCL4	<2.400
CDTOT	5.470
CH2CL2	<5.000
CHCL3	<1.400
CL	444000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	55.500
CPMSO2	39.300
CRTOT	.
CUTOT	26.000
DBCP	0.229
DCPD	529.000
DIMP	765.000
DITH	5.930
DLDRN	<0.060
DMDS	<1.800
DMMP	<76.000
ENDRN	<0.052
ETC6H5	<1.280
FL	3060.000
HGTOT	<0.480
ISODR	<0.060
K	2580.000
MEC6H5	<1.210
MG	56100.000
MIBK	<12.900
MXYLEN	<1.350
NA	432000.000
NIT	1750.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	585000.000
T12DCE	<1.200
TCLEE	46.500
TRCLE	2.300
XYLEN	<2.470
ZNTOT	56.000

WELL 37312
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 13.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	116000.000
CCL4	<2.400
CDTOT	5.470
CH2CL2	<5.000
CHCL3	<1.400
CL	228000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	.
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.135
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	2310.000
HGTOT	<0.480
ISODR	<0.060
K	4040.000
MEC6H5	<1.210
MG	61700.000
MIBK	<12.900
MXYLEN	<1.350
NA	228000.000
NIT	1050.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	415000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	149.000

WELL 37313
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 28.8
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	0.679
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	262000.000
CCL4	<2.400
CDTOT	5.470
CH2CL2	<5.000
CHCL3	<1.400
CL	1130000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	.
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	3850.000
DITH	11.000
DLDRN	0.086
DMDS	<1.800
DMMP	<304.000
ENDRN	<0.052
ETC6H5	<1.280
FL	2780.000
HGTOT	<0.480
ISODR	<0.060
K	9430.000
MEC6H5	<1.210
MG	117000.000
MIBK	<12.900
MXYLEN	<1.350
NA	821000.000
NIT	236.000
OXAT	4.400
PBTOT	44.200
PPDDE	<0.053
PPDDT	<0.070
SO4	1170000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	34.600

WELL 37320
AQUIFER: ALLUVIUM
SCREENED INT.: 22.7- 32.7
BEDROCK DEPTH: 35.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	122000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	150000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	.
CUTOT	[illegible].940
DBCP	<0.130
DCPD	<9.310
DIMP	18.900
DITH	<1.100
DLDRN	0.140
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.480
ISODR	<0.060
K	3350.000
MEC6H5	<1.210
MG	43000.000
MIBK	<12.900
MXYLEN	<1.350
NA	177000.000
NIT	3680.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	375000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37332
AQUIFER: ALLUVIUM
SCREENED INT.: 46.9- 51.4
BEDROCK DEPTH: 51.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	5.800
BTZ	<2.000
C6H6	<1.340
CA	96700.000
CCL4	<2.400
CDTOT	5.470
CH2CL2	<5.000
CHCL3	3.390
CL	609000.000
CL6CP	<0.070
CLC6H5	3.220
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	.
CUTOT	41.300
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	1.020
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	2610.000
HGTOT	<0.480
ISODR	<0.060
K	3780.000
MEC6H5	<1.210
MG	34200.000
MIBK	<12.900
MXYLEN	<1.350
NA	506000.000
NIT	4360.000
OXAT	<2.000
PBTOT	38.100
PPDDE	<0.053
PPDDT	<0.070
SO4	331000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	54.000

OFFPOST WATER QUALITY MONITORING NETWORK, 4TH QUARTER, FY87

WELL 37333
AQUIFER: ALLUVIUM
SCREENED INT.: 38.4- 47.7
BEDROCK DEPTH: 47.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	4.800
BTZ	<2.000
C6H6	<1.340
CA	85700.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	11.600
CL	372000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	.
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.226
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.480
ISODR	<0.060
K	5580.000
MEC6H5	<1.210
MG	13800.000
MIBK	<12.900
MXYLEN	<1.350
NA	247000.000
NIT	2920.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	153000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	33.600

WELL 37335
AQUIFER: ALLUVIUM
SCREENED INT.: 38.2- 57.6
BEDROCK DEPTH: 51.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	67400.000
CCL4	<2.400
CDTOT	5.470
CH2CL2	<5.000
CHCL3	<1.400
CL	111000.000
CL6CP	<0.070
CLC6H5	1.650
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	.
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.328
DMDS	<1.300
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.480
ISODR	<0.060
K	2920.000
MEC6H5	<1.210
MG	13900.000
MIBK	<12.900
MXYLEN	<1.350
NA	75200.000
NIT	236.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	51000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	21.400

WELL 37338
AQUIFER: ALLUVIUM
SCREENED INT.: 6.8- 29.2
BEDROCK DEPTH: 23.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	162000.000
CCL4	<2.400
CDTOT	5.470
CH2CL2	<5.000
CHCL3	2.030
CL	260000.000
CL6CP	<0.070
CLC6H5	2.640
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	.
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.108
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1880.000
HGTOT	<0.480
ISODR	<0.060
K	8660.000
MEC6H5	<1.210
MG	54000.000
MIBK	<12.900
MXYLEN	<1.350
NA	242000.000
NIT	1320.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	449000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	41.800

WELL 37339
AQUIFER: ALLUVIUM
SCREENED INT.: 11.7- 22.3
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	3.500
BTZ	<2.000
C6H6	<1.340
CA	668000.000
CCL4	<2.400
CDTOT	9.500
CH2CL2	<5.000
CHCL3	<1.400
CL	1990000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	.
CUTOT	9.820
DBCP	<0.130
DCPD	<9.310
DIMP	546.000
DITH	<1.100
DLDRN	0.128
DMDS	<1.800
DMMP	<76.000
ENDRN	<0.052
ETC6H5	<1.280
FL	4650.000
HGTOT	<0.480
ISODR	<0.060
K	3610.000
MEC6H5	<1.210
MG	174000.000
MIBK	<12.900
MXYLEN	<1.350
NA	1220000.000
NIT	8920.000
OXAT	<2.000
PBTOT	25.800
PPDDE	<0.053
PPDDT	<0.070
SO4	1970000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	152.000

OFFPOST WATER QUALITY MONITORING NETWORK, 4TH QUARTER, FY87

WELL 37340 AQUIFER: ALLUVIUM
SCREENED INT.: 23.5- 34.1
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	149000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	220000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	.
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	35.300
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	0.164
ETC6H5	<1.280
FL	1700.000
HGTOT	<0.480
ISODR	<0.060
K	4290.000
MEC6H5	<1.210
MG	35900.000
MIBK	<12.900
MXYLEN	<1.350
NA	299000.000
NIT	4110.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	563000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	31.600

WELL 37341 AQUIFER: ALLUVIUM
SCREENED INT.: 20.3- 50.7
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	70500.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	50500.000
CL6CP	<0.070
CLC6H5	0.807
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	.
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.240
ISODR	<0.060
K	4640.000
MEC6H5	<1.210
MG	15500.000
MIBK	<12.900
MXYLEN	<1.350
NA	64600.000
NIT	878.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	120000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	48.900

OFFPOST WATER QUALITY MONITORING NETWORK, 4TH QUARTER, FY87

WELL 37342
AQUIFER: ALLUVIUM
SCREENED INT.: 12.9- 29.0
BEDROCK DEPTH: 27.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	1.110
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	287000.000
CCL4	<2.400
CDTOT	5.470
CH2CL2	<5.000
CHCL3	<1.400
CL	586000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	.
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	44.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1510.000
HGTOT	0.360
ISODR	<0.060
K	6600.000
MEC6H5	<1.210
MG	65700.000
MIBK	<12.900
MXYLEN	<1.350
NA	426000.000
NIT	8210.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	861000.000
T12DCE	<1.200
TCLEE	2.190
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37343
AQUIFER: ALLUVIUM
SCREENED INT.: 3.7- 35.1
BEDROCK DEPTH: 35.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	0.801
ALDRN	<0.070
ASTOT	4.300
BTZ	<2.000
C6H6	<1.340
CA	119000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	223000.000
CL6CP	<0.070
CLC6H5	3.090
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	11.100
CUTOT	<7.940
DBCP	<0.130
DCPD	11.900
DIMP	468.000
DITH	1.900
DLDRN	<0.060
DMDS	<1.800
DMMP	<76.000
ENDRN	<0.052
ETC6H5	<1.280
FL	1750.000
HGTOT	<0.480
ISODR	<0.060
K	5580.000
MEC6H5	<1.210
MG	50200.000
MIBK	<12.900
MXYLEN	<1.350
NA	250000.000
NIT	100.000
OXAT	<2.000
PBTOT	21.900
PPDDE	<0.053
PPDDT	<0.070
SO4	355000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	36.900

OFFPOST WATER QUALITY MONITORING NETWORK, 4TH QUARTER, FY87

WELL 37344
AQUIFER: ALLUVIUM
SCREENED INT.: 15.5- 40.9
BEDROCK DEPTH: 42.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<17.000
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<6.100
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	183000.000
CCL4	<24.000
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	1180.000
CL	427000.000
CL6CP	<0.070
CLC6H5	6.900
CLDAN	.
CPMS	<1.300
CPMSO	101.000
CPMSO2	<4.700
CRTOT	17.300
CUTOT	<7.940
DBCP	13.300
DCPD	<9.310
DIMP	1030.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<152.000
ENDRN	<0.052
ETC6H5	<1.280
FL	1330.000
HGTOT	<0.480
ISODR	<0.060
K	4210.000
MEC6H5	<1.210
MG	51700.000
MIBK	<12.900
MXYLEN	<1.350
NA	323000.000
NIT	2760.000
OXAT	<2.000
PBTOT	27.400
PPDDE	<0.053
PPDDT	<0.070
SO4	505000.000
T12DCE	<1.200
TCLEE	112.000
TRCLE	7.710
XYLEN	<2.470
ZNTOT	<20.100

WELL 37345
AQUIFER: ALLUVIUM
SCREENED INT.: 16.4- 37.1
BEDROCK DEPTH: 37.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	3.100
BTZ	<2.000
C6H6	<1.340
CA	83000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	60500.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	7.630
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1240.000
HGTOT	<0.480
ISODR	<0.060
K	3180.000
MEC6H5	<1.210
MG	17900.000
MIBK	<12.900
MXYLEN	<1.350
NA	79500.000
NIT	446.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	186000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	100.000

WELL 37346 AQUIFER: ALLUVIUM
SCREENED INT.: 8.6- 24.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	3.200
BTZ	<2.000
C6H6	<1.340
CA	48700.000
CC[illegible]	<2.400
[illegible]	<5.160
[illegible]	<5.000
[illegible]	<1.400
CL	40900.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1300.000
HGTOT	<0.240
ISODR	<0.060
K	2670.000
MEC6H5	<1.210
MG	10500.000
MIBK	<12.900
MXYLEN	<1.350
NA	64100.000
NIT	292.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	79500.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	49.500

WELL 37347 AQUIFER: ALLUVIUM
SCREENED INT.: 23.2- 33.8
BEDROCK DEPTH: 33.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	72000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	54900.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	6.940
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.240
ISODR	<0.060
K	3440.000
MEC6H5	<1.210
MG	17800.000
MIBK	<12.900
MXYLEN	<1.350
NA	69100.000
NIT	2710.000
OXAT	<2.000
PBTOT	21.900
PPDDE	<0.053
PPDDT	<0.070
SO4	109000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	61.200

OFFPOST WATER QUALITY MONITORING NETWORK, 4TH QUARTER, FY87

WELL 37348
AQUIFER: ALLUVIUM
SCREENED INT.: 16.4- 42.0
BEDROCK DEPTH: 41.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	191000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	2.200
CL	325000.000
CL6CP	<0.070
CLC6H5	1.260
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	15.300
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1360.000
HGTOT	<0.480
ISODR	<0.060
K	3520.000
MEC6H5	<1.210
MG	46100.000
MIBK	<12.900
MXYLEN	<1.350
NA	164000.000
NIT	7170.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	370000.000
T12DCE	<1.200
TCLEE	1.720
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37349
AQUIFER: ALLUVIUM
SCREENED INT.: 23.2- 43.6
BEDROCK DEPTH: 44.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	101000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	115000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	12.500
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	78.400
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1290.000
HGTOT	<0.240
ISODR	<0.060
K	2500.000
MEC6H5	<1.210
MG	26600.000
MIBK	<12.900
MXYLEN	<1.350
NA	91500.000
NIT	5650.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	176000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	73.800

OFFPOST WATER QUALITY MONITORING NETWORK, 4TH QUARTER, FY87

WELL 37350
AQUIFER: ALLUVIUM
SCREENED INT.: 26.9- 52.3
BEDROCK DEPTH: 52[illegible]
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	[illegible]3000.000
CCL4	<2.400
CDTOT	[illegible]60
CH2CL2	[illegible]0
CHCL3	[illegible]0
CL	85000.000
CL6CP	<0.070
CLC6H5	0.853
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	15.300
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.240
ISODR	<0.060
K	41[illegible].000
MEC6H5	[illegible].210
MG	31[illegible].000
MIBK	<12.900
MXYLEN	<1.350
NA	93300.000
NIT	5020.000
OXAT	<2.000
PBTOT	38.400
PPDDE	<0.053
PPDDT	<0.070
SO4	205000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37351
AQUIFER: ALLUVIUM
SCREENED INT.: 17.9- 38.5
BEDROCK DEPTH: 36.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	114000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	123000.000
CL6CP	<0.070
CLC6H5	1.600
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	8.330
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1720.000
HGTOT	<0.240
ISODR	<0.060
K	2500.000
MEC6H5	<1.210
MG	31700.000
MIBK	<12.900
MXYLEN	<1.350
NA	120000.000
NIT	8060.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	194000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 4TH QUARTER, FY87

WELL 37352
AQUIFER: ALLUVIUM
SCREENED INT.: 29.8- 38.3
BEDROCK DEPTH: 37.9
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	92500.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	78400.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	8.330
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1320.000
HGTOT	<0.240
ISODR	<0.060
K	1810.000
MEC6H5	<1.210
MG	23200.000
MIBK	<12.900
MXYLEN	<1.350
NA	92200.000
NIT	2980.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	169000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37353
AQUIFER: ALLUVIUM
SCREENED INT.: 27.1- 42.4
BEDROCK DEPTH: 44.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	117000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	103000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	11.100
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	73.700
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.240
ISODR	<0.060
K	<1260.000
MEC6H5	<1.210
MG	32400.000
MIBK	<12.900
MXYLEN	<1.350
NA	123000.000
NIT	4220.000
OXAT	<2.000
PBTOT	32.900
PPDDE	<0.053
PPDDT	<0.070
SO4	189000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 4TH QUARTER, FY87

WELL 37354
AQUIFER: ALLUVIUM
SCREENED INT.: 13.8- 49.1
BEDROCK DEPTH: 49.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	77100.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	65700.000
CL6CP	<0.070
CLC6H5	0.622
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	8.330
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1280.000
HGTOT	<0.240
ISODR	<0.060
K	250[illegible].000
MEC6H5	[illegible].210
MG	210[illegible].000
MIBK	[illegible].900
MXYLEN	<1.350
NA	[illegible]100.000
NIT	6310.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	138000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37355
AQUIFER: ALLUVIUM
SCREENED INT.: 11.1- 71.7
BEDROCK DEPTH: 70.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	29.400
112TCE	<1.000
11DCE	2.670
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	134000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	2.360
CL	203000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	11.100
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.087
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1630.000
HGTOT	<0.240
ISODR	<0.060
K	3090.000
MEC6H5	<1.210
MG	35200.000
MIBK	<12.900
MXYLEN	<1.350
NA	155000.000
NIT	6480.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	202000.000
T12DCE	<1.200
TCLEE	5.520
TRCLE	2.120
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 4TH QUARTER, FY87

WELL 37356

AQUIFER: ALLUVIUM
SCREENED INT.: 8.3- 38.4
BEDROCK DEPTH: 38.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	109000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	105000.000
CL6CP	<0.070
CLC6H5	1.720
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	9.020
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	54.100
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.240
ISODR	<0.060
K	2520.000
MEC6H5	<1.210
MG	27300.000
MIBK	<12.900
MXYLEN	<1.350
NA	122000.000
NIT	6770.000
OXAT	<2.000
PBTOT	21.900
PPDDE	<0.053
PPDDT	<0.070
SO4	186000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37357

AQUIFER: ALLUVIUM
SCREENED INT.: 4.5- 19.7
BEDROCK DEPTH: 19.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	82400.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	4.680
CL	84500.000
CL6CP	<0.070
CLC6H5	1.100
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	13.900
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	16.200
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1220.000
HGTOT	<0.240
ISODR	<0.060
K	6670.000
MEC6H5	<1.210
MG	22500.000
MIBK	<12.900
MXYLEN	<1.350
NA	98500.000
NIT	10700.000
OXAT	<2.000
PBTOT	21.900
PPDDE	<0.053
PPDDT	<0.070
SO4	168000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 4TH QUARTER, FY87

WELL 7358
AQUIFER: ALLUVIUM
SCREENED INT.: 44.3- 59.9
BEDROCK DEPTH: 59.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	121000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	[illegible]0.000
CL6CP	0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	8.330
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.240
ISODR	<0.060
K	2360.000
MEC6H5	<1.210
MG	14900.000
MIBK	<12.900
MXYLEN	<1.350
NA	70400.000
NIT	2410.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	111000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37359
AQUIFER: ALLUVIUM
SCREENED INT.: 23.2- 43.7
BEDROCK DEPTH: 42.9
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	4.540
112TCE	<1.000
11DCE	<1.100
11DCLE	1.950
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	187000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	129000.000
CL6CP	<0.070
CLC6H5	1.010
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	11.100
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.240
ISODR	<0.060
K	5580.000
MEC6H5	<1.210
MG	26200.000
MIBK	<12.900
MXYLEN	<1.350
NA	142000.000
NIT	5610.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	327000.000
T12DCE	<1.200
TCLEE	3.670
TRCLE	6.560
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 4TH QUARTER, FY87

WELL 37360
AQUIFER: ALLUVIUM
SCREENED INT.: 26.4-101.9
BEDROCK DEPTH: 101.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	120000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	63300.000
CL6CP	<0.070
CLC6H5	1.360
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	9.710
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.240
ISODR	<0.060
K	2840.000
MEC6H5	<1.210
MG	12500.000
MIBK	<12.900
MXYLEN	<1.350
NA	65100.000
NIT	8940.000
OXAT	<2.000
PBTOT	27.400
PPDDE	<0.053
PPDDT	<0.070
SO4	130000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37361
AQUIFER: ALLUVIUM
SCREENED INT.: 21.7- 92.3
BEDROCK DEPTH: 92.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	95300.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	51100.000
CL6CP	<0.070
CLC6H5	1.550
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	11.800
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.240
ISODR	<0.060
K	3350.000
MEC6H5	<1.210
MG	14600.000
MIBK	<12.900
MXYLEN	<1.350
NA	65000.000
NIT	5520.000
OXAT	<2.000
PBTOT	27.400
PPDDE	<0.053
PPDDT	<0.070
SO4	126000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 4TH QUARTER, FY87

WELL 37362
AQUIFER: ALLUVIUM
SCREENED INT.: 34.5- 45.2
BEDROCK DEPTH: 42.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

WELL 37363
AQUIFER: ALLUVIUM
SCREENED INT.: 6.9- 32.2
BEDROCK DEPTH: 32.1
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION (WELL 37362)	CONCENTRATION (WELL 37363)
111TCE	<1.700	<1.700
112TCE	<1.000	<1.000
11DCE	<1.100	<1.100
11DCLE	<1.200	<1.200
12DCLE	<0.610	<0.610
ALDRN	<0.070	<0.070
ASTOT	<3.070	.
BTZ	<2.000	<2.000
C6H6	<1.340	<1.340
CA	147000.000	72700.000
CCL4	<2.400	<2.400
CDTOT	5.260	<5.160
CH2CL2	<5.000	<5.000
CHCL3	1.320	<1.400
CL	231000.000	86900.000
CL6CP	<0.070	<0.070
CLC6H5	<0.580	0.661
CLDAN	.	.
CPMS	<1.300	<1.300
CPMSO	<4.200	<4.200
CPMSO2	<4.700	<4.700
CRTOT	18.000	<5.960
CUTOT	<7.940	<7.940
DBCP	<0.130	<0.130
DCPD	<9.310	<9.310
DIMP	<10.500	<10.500
DITH	<1.100	<1.100
DLDRN	<0.060	<0.060
DMDS	<1.800	<1.800
DMMP	<15.200	<15.200
ENDRN	<0.052	<0.052
ETC6H5	<1.280	<1.280
FL	1760.000	<1220.000
HGTOT	<0.240	<0.240
ISODR	<0.060	<0.060
K	3350.000	2190.000
MEC6H5	<1.210	<1.210
MG	47400.000	16200.000
MIBK	<12.900	<12.900
MXYLEN	<1.350	<1.350
NA	269000.000	85100.000
NIT	1760.000	<10.000
OXAT	<2.000	<2.000
PBTOT	<18.600	<18.600
PPDDE	<0.053	<0.053
PPDDT	<0.070	<0.070
SO4	450000.000	175000.000
T12DCE	<1.200	<1.200
TCLEE	<1.300	<1.300
TRCLE	<1.100	<1.100
XYLEN	<2.470	<2.470
ZNTOT	74.800	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 4TH QUARTER, FY87

WELL 37364
AQUIFER: ALLUVIUM
SCREENED INT.: 6.8- 27.3
BEDROCK DEPTH: 28.[illegible]
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	.
BTZ	<2.000
C6H6	<1.340
CA	32000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	37300.000
CL6CP	<0.070
CLC6H5	1.000
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	8.640
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.240
ISODR	<0.060
K	4680.000
MEC6H5	<1.210
MG	6800.000
MIBK	<12.900
MXYLEN	<1.350
NA	49100.000
NIT	113.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	81000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL 37365
AQUIFER: DENVER
SCREENED INT.: 49.1- 59.7
BEDROCK DEPTH: 33.5
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	.
BTZ	<2.000
C6H6	<1.340
CA	35000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	45100.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	<5.960
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	11.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.240
ISODR	<0.060
K	<1260.000
MEC6H5	<1.210
MG	4030.000
MIBK	<12.900
MXYLEN	<1.350
NA	277000.000
NIT	844.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	256000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

OFFPOST WATER QUALITY MONITORING NETWORK, 4TH QUARTER, FY87

WELL 37366
AQUIFER: ALLUVIUM
SCREENED INT.: 2.2- 17.2
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	.
BTZ	<2.000
C6H6	<1.340
CA	121000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	46900.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	18.200
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.184
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.240
ISODR	<0.060
K	4680.000
MEC6H5	<1.210
MG	23300.000
MIBK	<12.900
MXYLEN	<1.350
NA	131000.000
NIT	8080.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	98700.000
T12DCE	<1.200
TCLEE	1.770
TRCLE	<1.[illegible]00
XYLEN	<2.[illegible]70
ZNTOT	<20.100

WELL BOLLER
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	194000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	13.800
CL	170000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	16.900
CPMSO2	<4.700
CRTOT	18.200
CUTOT	<7.940
DBCP	0.184
DCPD	<9.310
DIMP	137.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1280.000
HGTOT	<0.240
ISODR	<0.060
K	2780.000
MEC6H5	<1.210
MG	52800.000
MIBK	<12.900
MXYLEN	<1.350
NA	248000.000
NIT	2710.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	556000.000
T12DCE	<1.200
TCLEE	5.590
TRCLE	1.150
XYLEN	<2.470
ZNTOT	46.600

OFFPOST WATER QUALITY MONITORING NETWORK, 4TH QUARTER, FY87

WELL XII
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	101000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	85800.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	16.300
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.240
ISODR	<0.060
K	3600.000
MEC6H5	<1.210
MG	26700.000
MIBK	<12.900
MXYLEN	<1.350
NA	112000.000
NIT	4650.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	133000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	<20.100

WELL XXIA
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	77900.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	67100.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	11.500
CUTOT	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	13.200
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1210.000
HGTOT	<0.240
ISODR	<0.060
K	2370.000
MEC6H5	<1.210
MG	22500.000
MIBK	<12.900
MXYLEN	<1.350
NA	79500.000
NIT	9610.000
OXAT	<2.000
PBTOT	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	136000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZNTOT	26.000

OFFPOST WATER QUALITY MONITORING NETWORK, 4TH QUARTER, FY87

WELL CIII

AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 58.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
ASTOT	<3.070
BTZ	<2.000
C6H6	<1.340
CA	159000.000
CCL4	<2.400
CDTOT	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	93100.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CRTOT	25.000
CUTOT	44.700
DBCP	<0.130
DCPD	<9.310
DIMP	10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HGTOT	<0.240
ISODR	<0.060
K	3930.000
MEC6H5	<1.210
MG	18000.000
MIBK	<12.900
MXYLEN	<1.350
NA	89800.000
NIT	9990.000
OXAT	<2.000
PBTOT	25.800
PPDDE	<0.053
PPDDT	<0.070
SO4	196000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	2.470
XYLEN	<2.470
ZNTOT	54.200

APPENDIX D

CHEMISTRY DATA

APPENDIX D.1: 3RD QUARTER FY87 CHEMISTRY DATA

WRIR_WATER_CHEMISTRY_SUMMARY_3RD_QUARTER_FY1987

EXPLANATION

The following information pertains to tables presented in this section of the WRIR:

- Concentrations are in u/l.
- Analysis were not conducted for analytes concentrations designated by " . ".
- Bedrock lithology for wells 23218, 23219, 24191, 37369, 37370, 37371, 37372, 37376, 37387, 37388, 37389, and 3730 can be found in the forthcoming Task 36 Report.
- Bedrock lithology for wells 37367, 37368, 37373, 3737[illegible], 373[illegible] 37378, 37379, 37380, 37381, 37383, 37391 and 37392 can be f[illegible] in the forthcoming Task 39 Report.
- For all other wells, bedrock depths are zero and/or bedrock lithologies are not listed when:
    - Survey data were unavailable
    - Tenuous bedrock picks from lithologic logs
    - Borehole did not penetrate bedrock
    - Well data were acquired from sources where this information was unavailable.
- Screened intervals were unavailable for wells listed with a "0" screened interval designation.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 01007
AQUIFER: DENVER
SCREENED INT.: 23.0- 26.4
BEDROCK DEPTH: 4.0
BEDROCK LITH.: VC
SCREENED ZONE: VC

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	46600.000
CCL4	177.000
CD	<5.160
CH2CL2	<5.000
CHCL3	27.000
CL	28400.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.104
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1840.000
HG	<0.359
ISODR	<0.056
K	.
MEC6H5	<1.210
MG	16300.000
MIBK	<12.900
MXYLEN	<1.350
NA	63000.000
NIT	5770.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	50500.000
T12DCE	<1.200
TCLEE	2.310
TRCLE	1.360
XYLEN	<2.470
ZN	39.800

WELL 01008
AQUIFER: DENVER
SCREENED INT.: 16.6- 20.0
BEDROCK DEPTH: 9.0
BEDROCK LITH.: VC
SCREENED ZONE: VC

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	79000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	6.930
CL	149000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	5.970
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.154
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2820.000
HG	<0.359
ISODR	<0.056
K	3210.000
MEC6H5	<1.210
MG	30100.000
MIBK	<12.900
MXYLEN	<1.350
NA	348000.000
NIT	13600.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	559000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	2.710
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 01012
AQUIFER: DENVER
SCREENED INT.: 14.6- 18.0
BEDROCK DEPTH: 5.5
BEDROCK LITH.: VC
SCREENED ZONE: VC

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	1.570
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	127000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	118000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	16.500
CR	31.000
CU	22.500
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.118
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1560.000
HG	<0.359
ISODR	<0.056
K	3680.000
MEC6H5	<1.210
MG	48400.000
MIBK	<12.900
MXYLEN	<1.350
NA	127000.000
NIT	8150.000
OXAT	<1.350
PB	20.900
PPDDE	<0.046
PPDDT	<0.059
SO4	157000.000
T12DCE	4.260
TCLEE	15.500
TRCLE	1.200
XYLEN	<2.470
ZN	108.000

WELL 01015
AQUIFER: DENVER
SCREENED INT.: 57.9- 61.3
BEDROCK DEPTH: 3.0
BEDROCK LITH.: VC
SCREENED ZONE: AU

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	2.000
CA	389000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	36900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1510.000
HG	<0.359
ISODR	<0.056
K	9520.000
MEC6H5	<1.210
MG	73200.000
MIBK	<12.900
MXYLEN	<1.350
NA	401000.000
NIT	987.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1900000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	98.900

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 01017
AQUIFER: ALLUVIUM
SCREENED INT.: 10.6- 14.0
BEDROCK DEPTH: 12.5
BEDROCK LITH.: VC
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	53800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	2.610
CL	187000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2800.000
HG	<0.359
ISODR	<0.056
K	2940.000
MEC6H5	<1.210
MG	16200.000
MIBK	<12.900
MXYLEN	<1.350
NA	105000.000
NIT	12300.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	134000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	48.500

WELL 01020
AQUIFER: ALLUVIUM
SCREENED INT.: 6.0- 10.0
BEDROCK DEPTH: 10.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<17.000
112TCE	<10.000
11DCE	<11.000
11DCLE	2.260
12DCLE	<6.100
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	> 9.040
CA	230000.000
CCL4	<2.400
CD	<5.160
CH2CL2	6.630
CHCL3	> 194.000
CL	570000.000
CL6CP	<0.083
CLC6H5	26.300
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	12.600
CU	44.900
DBCP	11.800
DCPD	<9.310
DIMP	<10.500
DITH	89.500
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2540.000
HG	<0.359
ISODR	<0.056
K	25000.000
MEC6H5	<1.210
MG	83900.000
MIBK	<12.900
MXYLEN	<1.350
NA	395000.000
NIT	288000.000
OXAT	9.440
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	637000.000
T12DCE	<12.000
TCLEE	4.970
TRCLE	> 194.000
XYLEN	<2.470
ZN	54.200

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL '021
AQUIFER: ALLUVIUM
SCREENED INT.: 14.0- 64.0
BEDROCK DEPTH: 64.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	85000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	58700.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	10.800
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2850.000
MEC6H5	<1.210
MG	17100.000
MIBK	<12.900
MXYLEN	<1.350
NA	65500.000
NIT	1600.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	83100.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 01022
AQUIFER: DENVER
SCREENED INT.: 107.0-117.0
BEDROCK DEPTH: 64.0
BEDROCK LITH.: SH
SCREENED ZONE: AM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	79600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	12900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	10.200
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	1730.000
MEC6H5	<1.210
MG	13800.000
MIBK	<12.900
MXYLEN	<1.350
NA	58600.000
NIT	1040.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	6080000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 01024
AQUIFER: ALLUVIUM
SCREENED INT.: 4.0- 49.0
BEDROCK DEPTH: 53.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<8.500
112TCE	<2.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	52000.000
CCL4	<12.000
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	58500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	10.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3170.000
MEC6H5	<1.210
MG	13500.000
MIBK	<12.900
MXYLEN	<1.350
NA	59700.000
NIT	258.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	66300.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<2.200
XYLEN	<2.470
ZN	<20.100

WELL 01025
AQUIFER: DENVER
SCREENED INT.: 66.0- 71.0
BEDROCK DEPTH: 53.0
BEDROCK LITH.: SH
SCREENED ZONE: AU

COMPOUND	CONCENTRATION
111TCE	<3.400
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	20400.000
CCL4	<4.800
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	25800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1340.000
HG	<0.359
ISODR	<0.056
K	1320.000
MEC6H5	<1.210
MG	1760.000
MIBK	<12.900
MXYLEN	<1.350
NA	78300.000
NIT	342.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	28900.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 027
AQUIFER: ALLUVIUM
SCREENED INT.: 10.0- 15.0
BEDROCK DEPTH: 14.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	117000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	484000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2270.000
HG	<0.359
ISODR	<0.056
K	4490.000
MEC6H5	<1.210
MG	42800.000
MIBK	<12.900
MXYLEN	<1.350
NA	261000.000
NIT	6310.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	178000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	54.900

WELL 01036
AQUIFER: DENVER
SCREENED INT.: 40.0- 60.0
BEDROCK DEPTH: 7.5
BEDROCK LITH.: SS
SCREENED ZONE: AU

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	130000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	9.160
CL	115000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	0.517
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3810.000
MEC6H5	<1.210
MG	38600.000
MIBK	<12.900
MXYLEN	<1.350
NA	56600.000
NIT	5340.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	222000.00
T12DCE	<1.20
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	380.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 01037
AQUIFER: DENVER
SCREENED INT.: 85.0-100.0
BEDROCK DEPTH: 7.5
BEDROCK LITH.: SS
SCREENED ZONE: AML

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	14500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	13100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	8.580
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	1040.000
MEC6H5	<1.210
MG	830.000
MIBK	<12.900
MXYLEN	<1.350
NA	136000.000
NIT	230.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	160000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	27.600

WELL 01041
AQUIFER: ALLUVIUM
SCREENED INT.: 5.0- 15.0
BEDROCK DEPTH: 12.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	54300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	3.340
CL	100000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	1.090
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2190.000
HG	<0.359
ISODR	<0.056
K	2210.000
MEC6H5	<1.210
MG	16000.000
MIBK	<12.900
MXYLEN	<1.350
NA	128000.000
NIT	7120.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	161000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	47.400

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 043
AQUIFER: DENVER
SCREENED INT.: 123.0-149.0
BEDROCK DEPTH: 12.0
BEDROCK LITH.: ST
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	5660.000
CCL4	<2.400
CD	26.500
CH2CL2	<5.000
CHCL3	<1.400
CL	16600.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1740.000
HG	<0.359
ISODR	<0.056
K	<520.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	107000.000
NIT	2300.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	<10000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 01047
AQUIFER: DENVER
SCREENED INT.: 33.0- 43.0
BEDROCK DEPTH: 10.0
BEDROCK LITH.: VC
SCREENED ZONE: VC

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	94400.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	3.510
CL	256000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1780.000
HG	<0.359
ISODR	<0.056
K	4930.000
MEC6H5	<1.210
MG	25100.000
MIBK	<12.900
MXYLEN	<1.350
NA	304000.000
NIT	3520.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	506000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 01048
AQUIFER: DENVER
SCREENED INT.: 160.0-210.0
BEDROCK DEPTH: 10.0
BEDROCK LITH.: VC
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	6020.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	8.120
CL	62600.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1720.000
HG	<0.359
ISODR	<0.056
K	718.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	116000.000
NIT	12.500
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	40700.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 01050
AQUIFER: DENVER
SCREENED INT.: 77.0-117.0
BEDROCK DEPTH: 34.3
BEDROCK LITH.: VC
SCREENED ZONE: AS

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	63900.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	53900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3020.000
MEC6H5	<1.210
MG	3080.000
MIBK	<12.900
MXYLEN	<1.350
NA	215000.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	431000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL	AQUIFER: ALLUVIUM		WELL	AQUIFER: DENVER	
[illegible]08	SCREENED INT.: 50.0- 70.0		02009	SCREENED INT.: 115.0-125.0	
	BEDROCK DEPTH: 70.4			BEDROCK DEPTH: 70.4	
	BEDROCK LITH.: SH			BEDROCK LITH.: SH	
	SCREENED ZONE: ALLUVIUM			SCREENED ZONE: 2	

COMPOUND	CONCENTRATION	COMPOUND	CONCENTRATION
111TCE	<1.700	111TCE	<1.700
112TCE	<1.000	112TCE	<1.000
11DCE	<1.100	11DCE	<1.100
11DCLE	<1.200	11DCLE	<1.200
12DCLE	<0.610	12DCLE	<0.610
ALDRN	<0.083	ALDRN	<0.083
AS	<2.500	AS	<2.500
BTZ	<1.140	BTZ	<1.140
C6H6	<1.340	C6H6	<1.340
CA	72400.000	CA	4370.000
CCL4	<2.400	CCL4	<2.400
CD	<5.160	CD	<5.160
CH2CL2	<5.000	CH2CL2	<5.000
CHCL3	<1.400	CHCL3	<1.400
CL	92100.000	CL	5300.000
CL6CP	<0.083	CL6CP	<0.083
CLC6H5	<0.580	CLC6H5	<0.580
CLDAN	<0.152	CLDAN	<0.152
CPMS	<1.080	CPMS	<1.080
CPMSO	<1.980	CPMSO	<1.980
CPMSO2	5.730	CPMSO2	<2.240
CR	<5.960	CR	<5.960
CU	<7.940	CU	<7.940
DBCP	<0.130	DBCP	<0.130
DCPD	<9.310	DCPD	<9.310
DIMP	<10.500	DIMP	<10.500
DITH	<1.590	DITH	<1.590
DLDRN	0.080	DLDRN	<0.054
DMDS	<1.160	DMDS	<1.160
DMMP	<15.200	DMMP	<15.200
ENDRN	<0.060	ENDRN	<0.060
ETC6H5	<1.280	ETC6H5	<1.280
FL	<1220.000	FL	2640.000
HG	<0.359	HG	<0.359
ISODR	<0.056	ISODR	<0.056
K	2680.000	K	<520.000
MEC6H5	<1.210	MEC6H5	<1.210
MG	15400.000	MG	<500.000
MIBK	<12.900	MIBK	<12.9[illegible]
MXYLEN	<1.350	MXYLEN	<1.350
NA	83500.000	NA	45900.0[illegible]
NIT	41.400	NIT	62.6[illegible]
OXAT	<1.350	OXAT	<1.35[illegible]
PB	<18.600	PB	<18.6[illegible]
PPDDE	<0.046	PPDDE	<0.046
PPDDT	<0.059	PPDDT	<0.059
SO4	57500.000	SO4	<10000.0[illegible]
T12DCE	<1.200	T12DCE	<1.2[illegible]
TCLEE	<1.300	TCLEE	<1.30[illegible]
TRCLE	<1.1[illegible]	TRCLE	<1.10[illegible]
XYLEN	<2.470	XYLEN	<2.47[illegible]
ZN	<20.100	ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 02010

AQUIFER: DENVER
SCREENED INT.: 135.0-155.0
BEDROCK DEPTH: 70.4
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	3650.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	5970.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2170.000
HG	<0.359
ISODR	<0.056
K	<520.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	57400.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	<10000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 02011

AQUIFER: ALLUVIUM
SCREENED INT.: 35.0- 95.0
BEDROCK DEPTH: 99.0
BEDROCK LITH.: LG
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	120000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	79300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	11.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4110.000
MEC6H5	<1.210
MG	24600.000
MIBK	<12.900
MXYLEN	<1.350
NA	86700.000
NIT	7370.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	187000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

'ELL .012
AQUIFER: DENVER
SCREENED INT.: 128.0-133.0
BEDROCK DEPTH: 99.0
BEDROCK LITH.: LG
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	9350.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	<4800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1900.000
HG	0.513
ISODR	<0.056
K	765.000
MEC6H5	<1.210
MG	517.000
MIBK	<12.900
MXYLEN	<1.350
NA	64700.000
NIT	50.100
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	<10000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 02014
AQUIFER: ALLUVIUM
SCREENED INT.: 40.0- 45.0
BEDROCK DEPTH: 40.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	141000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	51.300
CL	405000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3210.000
MEC6H5	<1.210
MG	15900.000
MIBK	<12.900
MXYLEN	<1.350
NA	191000.000
NIT	6360.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	81200.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	34.400

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 02018
AQUIFER: DENVER
SCREENED INT.: 40.0- 55.0
BEDROCK DEPTH: 19.5
BEDROCK LITH.: SH
SCREENED ZONE: AU

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	115000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	111000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1670.000
HG	<0.359
ISODR	<0.056
K	4570.000
MEC6H5	<1.210
MG	29500.000
MIBK	<12.900
MXYLEN	<1.350
NA	254000.000
NIT	7930.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	462000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	45.700

WELL 02019
AQUIFER: DENVER
SCREENED INT.: 80.0- 95.0
BEDROCK DEPTH: 19.5
BEDROCK LITH.: SH
SCREENED ZONE: AL

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	330000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	119000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	15.800
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1510.000
HG	<0.359
ISODR	<0.056
K	5520.000
MEC6H5	<1.210
MG	31100.000
MIBK	<12.900
MXYLEN	<1.350
NA	636000.000
NIT	41.600
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1850000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 020
AQUIFER: ALLUVIUM
SCREENED INT.: 9.5- 40.0
BEDROCK DEPTH: 39.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	3.270
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	123000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	8.400
CL	326000.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.225
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	2650.000
MEC6H5	<1.210
MG	23900.000
MIBK	<12.000
MXYLEN	<1.350
NA	117000.000
NIT	195.000
OXAT	<1.350
PB	23.700
PPDDE	<0.046
PPDDT	<0.059
SO4	72500.000
T12DCE	1.350
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	83.500

WELL 02021
AQUIFER: DENVER
SCREENED INT.: 49.0- 84.0
BEDROCK DEPTH: 39.5
BEDROCK LITH.: SH
SCREENED ZONE: AL

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	8.820
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	270000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	19.800
CL	779000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4200.000
MEC6H5	<1.210
MG	46800.000
MIBK	<12.900
MXYLEN	<1.350
NA	166000.000
NIT	231.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	54000.000
T12DCE	5.080
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 02025
AQUIFER: DENVER
SCREENED INT.: 90.0-105.0
BEDROCK DEPTH: 27.5
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	90800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	38500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	3.160
CR	<5.960
CU	<7.940
DBCP	<0.1[illegible]0
DCPD	<9.3[illegible]0
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2480.000
MEC6H5	<1.210
MG	7340.000
MIBK	<12.900
MXYLEN	<1.350
NA	397000.000
NIT	24.200
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	764000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	33.500

WELL 02030
AQUIFER: DENVER
SCREENED INT.: 53.0- 73.0
BEDROCK DEPTH: 7.0
BEDROCK LITH.: SH
SCREENED ZONE: AUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	1650000.000
CCL4	7.600
CD	<5.160
CH2CL2	<5.000
CHCL3	120.000
CL	7290000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	89.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	4490.000
HG	<0.359
ISODR	<0.056
K	15100.000
MEC6H5	<1.210
MG	467000.000
MIBK	<12.900
MXYLEN	<1.350
NA	902000.000
NIT	8740.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	315000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	39.800

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 2031
AQUIFER: DENVER
SCREENED INT.: 103.0-138.0
BEDROCK DEPTH: 7.0
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	208000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	1.710
CL	87700.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3070.000
MEC6H5	<1.210
MG	4520.000
MIBK	<12.900
MXYLEN	<1.350
NA	485000.000
NIT	331.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1330000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 02034
AQUIFER: ALLUVIUM
SCREENED INT.: 10.0- 20.0
BEDROCK DEPTH: 20.3
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	3.740
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	89300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	10.500
CL	124000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.[illegible]80
CPMSO2	3.[illegible]90
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1590.000
HG	<0.359
ISODR	<0.056
K	3950.000
MEC6H5	<1.210
MG	20600.000
MIBK	<12.900
MXYLEN	<1.350
NA	161000.000
NIT	17100.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	198000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	3.700
XYLEN	<2.470
ZN	53.800

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 02035
AQUIFER: DENVER
SCREENED INT.: 31.0- 46.0
BEDROCK DEPTH: 20.3
BEDROCK LITH.: SH
SCREENED ZONE: AMU

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	5.210
12DCLE	<2.990
ALDRN	<0.166
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	144000.000
CCL4	5.550
CD	<5.160
CH2CL2	<5.000
CHCL3	> 194.000
CL	372000.000
CL6CP	<0.166
CLC6H5	<0.580
CLDAN	<0.304
CPMS	4.090
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.110
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.120
ETC6H5	<1.280
FL	1700.000
HG	<0.359
ISODR	<0.112
K	3580.000
MEC6H5	<1.210
MG	29100.000
MIBK	<12.900
MXYLEN	<1.350
NA	288000.000
NIT	3200.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.092
PPDDT	<0.118
SO4	247000.000
T12DCE	<1.200
TCLEE	3.060
TRCLE	5.420
XYLEN	<2.470
ZN	32.000

WELL 02036
AQUIFER: DENVER
SCREENED INT.: 93.0-108.0
BEDROCK DEPTH: 20.3
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	47400.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	28500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	1600.000
MEC6H5	<1.210
MG	1770.000
MIBK	<12.900
MXYLEN	<1.350
NA	301000.000
NIT	108.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	628000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL		WELL	
037	AQUIFER: ALLUVIUM	02038	AQUIFER: DENVER
	SCREENED INT.: 12.0- 22.0		SCREENED INT.: 28.0- 43.0
	BEDROCK DEPTH: 17.0		BEDROCK DEPTH: 17.0
	BEDROCK LITH.: SH		BEDROCK LITH.: SH
	SCREENED ZONE: ALLUVIUM		SCREENED ZONE: AM

COMPOUND	CONCENTRATION	COMPOUND	CONCENTRATION
111TCE	<1.700	111TCE	<1.700
112TCE	<1.000	112TCE	<1.000
11DCE	<1.100	11DCE	<1.100
11DCLE	<1.200	11DCLE	<1.200
12DCLE	<0.610	12DCLE	<0.610
ALDRN	<0.083	ALDRN	<0.083
AS	<2.500	AS	<2.500
BTZ	<1.140	BTZ	<1.140
C6H6	<1.340	C6H6	<1.340
CA	87500.000	CA	90400.000
CCL4	<2.400	CCL4	<2.400
CD	<5.160	CD	<5.160
CH2CL2	<5.000	CH2CL2	<5.000
CHCL3	<1.400	CHCL3	8.880
CL	109000.000	CL	245000.000
CL6CP	<0.083	CL6CP	<0.083
CLC6H5	<0.580	CLC6H5	<0.580
CLDAN	<0.152	CLDAN	<0.152
CPMS	<1.080	CPMS	<1.080
CPMSO	<1.980	CPMSO	<1.980
CPMSO2	<2.240	CPMSO2	<2.240
CR	11.200	CR	<5.960
CU	<7.940	CU	<7.940
DBCP	<0.130	DBCP	<0.130
DCPD	<9.310	DCPD	<9.310
DIMP	<10.500	DIMP	<10.500
DITH	<1.590	DITH	<1.590
DLDRN	0.966	DLDRN	0.149
DMDS	<1.160	DMDS	<1.160
DMMP	<15.200	DMMP	<15.200
ENDRN	0.103	ENDRN	<0.060
ETC6H5	<1.280	ETC6H5	<1.280
FL	1970.000	FL	1550.000
HG	<0.359	HG	<0.359
ISODR	<0.056	ISODR	<0.056
K	3240.000	K	4160.000
MEC6H5	<1.210	MEC6H5	<1.210
MG	19000.000	MG	23900.000
MIBK	<12.900	MIBK	<12.900
MXYLEN	<1.350	MXYLEN	<1.350
NA	117000.000	NA	259000.000
NIT	5590.000	NIT	8410.000
OXAT	<1.350	OXAT	<1.350
PB	<18.600	PB	<18.600
PPDDE	0.124	PPDDE	<0.046
PPDDT	<0.059	PPDDT	<0.059
SO4	110000.000	SO4	253000.000
T12DCE	<1.200	T12DCE	<1.200
TCLEE	<1.300	TCLEE	<1.300
TRCLE	<1.100	TRCLE	<1.100
XYLEN	<2.470	XYLEN	<2.470
ZN	29.300	ZN	42.300

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 02039
AQUIFER: DENVER
SCREENED INT.: 76.0- 86.0
BEDROCK DEPTH: 17.0
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	83700.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	37200.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	2110.000
MEC6H5	<1.210
MG	10400.000
MIBK	<12.900
MXYLEN	<1.350
NA	390000.000
NIT	<10.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	477000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 02043
AQUIFER: DENVER
SCREENED INT.: 46.5- 61.5
BEDROCK DEPTH: 13.5
BEDROCK LITH.: VC
SCREENED ZONE: AU

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	210000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	101000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	13.800
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1450.000
HG	<0.359
ISODR	<0.056
K	5520.000
MEC6H5	<1.210
MG	46900.000
MIBK	<12.900
MXYLEN	<1.350
NA	308000.000
NIT	10900.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	941000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 002
AQUIFER: ALLUVIUM
SCREENED INT.: 43.0-103.0
BEDROCK DEPTH:105.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	67100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	34700.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3740.000
MEC6H5	<1.210
MG	8450.000
MIBK	<12.900
MXYLEN	<1.350
NA	38000.000
NIT	6970.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	49000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<40.200

WELL 03003
AQUIFER: DENVER
SCREENED INT.: 136.0-146.0
BEDROCK DEPTH: 105.5
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	64100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	36400.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3740.000
MEC6H5	<1.210
MG	8120.00[illegible]
MIBK	<12.9[illegible]
MXYLEN	<1.35[illegible]
NA	3710[illegible]
NIT	472[illegible]
OXAT	<1.35[illegible]
PB	<37.2[illegible]
PPDDE	<0.046
PPDDT	<0.[illegible]59
SO4	5010[illegible]
T12DCE	<1.2[illegible]
TCLEE	<1.30[illegible]
TRCLE	<1.1[illegible]
XYLEN	<2.47[illegible]
ZN	104.00[illegible]

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 03004
AQUIFER: DENVER
SCREENED INT.: 168.0-178.0
BEDROCK DEPTH: 105.5
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	0.907
ALDRN	<0.083
AS	8.070
BTZ	2.340
C6H6	<1.340
CA	8630.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	<4800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	3190.000
HG	<0.359
ISODR	<0.056
K	1950.000
MEC6H5	<1.210
MG	630.000
MIBK	<12.900
MXYLEN	<1.350
NA	74200.000
NIT	28.900
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	23800.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	52.200

WELL 03005
AQUIFER: ALLUVIUM
SCREENED INT.: 20.0- 70.0
BEDROCK DEPTH: 59.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	111000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	2.850
CL	184000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	<7.940
DBCP	0.417
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	2.940
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4340.000
MEC6H5	<1.210
MG	17400.000
MIBK	<12.900
MXYLEN	<1.350
NA	142000.000
NIT	4130.000
OXAT	<1.350
PB	<18.600
PPDDE	0.195
PPDDT	<0.059
SO4	111000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	274.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

'ELL ,006
AQUIFER: DENVER
SCREENED INT.: 110.0-120.0
BEDROCK DEPTH: 59.0
BEDROCK LITH.: SS
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	12600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	25500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1740.000
HG	<0.359
ISODR	<0.056
K	1600.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	72600.000
NIT	527.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	23700.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 03008
AQUIFER: ALLUVIUM
SCREENED INT.: 55.1- 65.1
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	103000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	52800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	8.730
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	5520.000
MEC6H5	<1.210
MG	19900.000
MIBK	<12.900
MXYLEN	<1.350
NA	58700.000
NIT	16400.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	107000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 03518
AQUIFER: ALLUVIUM
SCREENED INT.: 42.0- 52.0
BEDROCK DEPTH: 60.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	123000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	72800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	14.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4110.000
MEC6H5	<1.210
MG	24000.000
MIBK	<12.900
MXYLEN	<1.350
NA	82000.000
NIT	8610.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	173000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 03523
AQUIFER: ALLUVIUM
SCREENED INT.: 63.0- 73.0
BEDROCK DEPTH: 76.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	112000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	8.160
CL	69000.000
CL6CP	0.361
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	14.400
CU	<7.940
DBCP	45.400
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4750.000
MEC6H5	<1.210
MG	16000.000
MIBK	<12.900
MXYLEN	<1.350
NA	62900.000
NIT	7920.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	130000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<40.200

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 1007

AQUIFER: ALLUVIUM
SCREENED INT.: 39.2- 78.0
BEDROCK DEPTH: 78.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	168000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	113000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	14.000
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	5570.000
MEC6H5	<1.210
MG	19400.000
MIBK	<12.900
MXYLEN	<1.350
NA	105000.000
NIT	8420.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	330000.000
T12DCE	3.600
TCLEE	<1.300
TRCLE	2.360
XYLEN	<2.470
ZN	48.200

WELL 04008

AQUIFER: DENVER
SCREENED INT.: 88.0- 98.0
BEDROCK DEPTH: 78.0
BEDROCK LITH.: SS
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	18700.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	5730.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	3400.000
HG	<0.359
ISODR	<0.056
K	957.000
MEC6H5	<1.210
MG	1220.000
MIBK	<12.900
MXYLEN	<1.350
NA	48700.000
NIT	2140.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	25800.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<40.200

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 04009

AQUIFER: DENVER
SCREENED INT.: 145.0-155.0
BEDROCK DEPTH: 78.0
BEDROCK LITH.: SS
SCREENED ZONE: 5

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	22.200
BTZ	1.500
C6H6	3.050
CA	9440.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	<4800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	13.700
FL	5640.000
HG	<0.359
ISODR	<0.056
K	3810.000
MEC6H5	5.200
MG	<500.000
MIBK	<12.900
MXYLEN	45.100
NA	74500.000
NIT	1330.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	17700.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	53.400
ZN	30.100

WELL 04010

AQUIFER: ALLUVIUM
SCREENED INT.: 65.0- 90.0
BEDROCK DEPTH: 87.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	95300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	43300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	13.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4460.000
MEC6H5	<1.210
MG	12700.000
MIBK	<12.900
MXYLEN	<1.350
NA	47200.000
NIT	10200.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	87500.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	66.700

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 011
AQUIFER: DENVER
SCREENED INT.: 153.0-158.0
BEDROCK DEPTH: 87.0
BEDROCK LITH.: SS
SCREENED ZONE: 5

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	12.600
BTZ	<1.140
C6H6	<1.340
CA	12100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	<4800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	7870.000
HG	<0.359
ISODR	<0.056
K	1430.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	76700.000
NIT	3990.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	14900.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<2.200
XYLEN	<2.470
ZN	<40.200

WELL 04014
AQUIFER: ALLUVIUM
SCREENED INT.: 71.0- 81.0
BEDROCK DEPTH: 101.2
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	134000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	93300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	12.100
CU	<7.940
DBCP	15.900
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	5650.000
MEC6H5	<1.210
MG	15700.000
MIBK	<12.900
MXYLEN	<1.350
NA	64500.000
NIT	12000.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	162000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	36.600

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 04021
AQUIFER: ALLUVIUM
SCREENED INT.: 70.0- 80.0
BEDROCK DEPTH:100.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	1.050
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	102000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	2.400
CL	66400.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	5380.000
MEC6H5	<1.210
MG	14500.000
MIBK	<12.900
MXYLEN	<1.350
NA	57800.000
NIT	9530.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	136000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	22.800
XYLEN	<2.470
ZN	105.000

WELL 04024
AQUIFER: ALLUVIUM
SCREENED INT.: 65.0- 75.0
BEDROCK DEPTH: 86.3
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	0.784
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	71500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	35900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	8.200
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3870.000
MEC6H5	<1.210
MG	8940.000
MIBK	<12.900
MXYLEN	<1.350
NA	50300.000
NIT	10900.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	77700.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	47.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 027
AQUIFER: ALLUVIUM
SCREENED INT.: 69.0- 79.0
BEDROCK DEPTH: 99.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	114000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	82200.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	13.000
CU	<7.940
DBCP	30.400
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	5030.000
MEC6H5	<1.210
MG	18900.000
MIBK	<12.900
MXYLEN	<1.350
NA	62400.000
NIT	8890.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	147000.000
T12DCE	<1.200
TCLEE	<1.3[illegible]
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 04030
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 103.3
BEDROCK LITH.: LG
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	94500.000
CCL4	<2.[illegible]0
CD	<5.[illegible]0
CH2CL2	<5.[illegible]0
CHCL3	<1.400
CL	49700.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	14.000
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4270.000
MEC6H5	<1.210
MG	16200.000
MI[illegible]	<12.9[illegible]
MX[illegible]EN	<1.35[illegible]
NA	63000.[illegible]
NIT	12200.[illegible]
OXAT	<1.35[illegible]
PB	<18.6[illegible]
PPDDE	<0.[illegible]46
PPDDT	<0.[illegible]59
SO4	10800[illegible]
T12DCE	<1.2[illegible]
TCLEE	<1.3[illegible]
TRCLE	119.[illegible]
XYLEN	<2.470
ZN	102.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 04038
AQUIFER: ALLUVIUM
SCREENED INT.: 64.9- 84.9
BEDROCK DEPTH: 87.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	27.000
112TCE	<1.000
11DCE	8.330
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	122000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	74200.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4490.000
MEC6H5	<1.210
MG	13000.000
MIBK	<12.900
MXYLEN	<1.350
NA	56900.000
NIT	8780.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	181000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	26.300
XYLEN	<2.470
ZN	33.900

WELL 04041
AQUIFER: ALLUVIUM
SCREENED INT.: 50.7- 70.7
BEDROCK DEPTH: 73.8
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	14.500
112TCE	<1.000
11DCE	5.820
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	114000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	69000.000
CL6CP	<0.083
CLC6H5	1.700
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	10.700
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4270.000
MEC6H5	<1.210
MG	13300.000
MIBK	<12.900
MXYLEN	<1.350
NA	49000.000
NIT	9370.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	132000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	21.300
XYLEN	<2.470
ZN	58.100

WRTP WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 042
AQUIFER: ALLUVIUM
SCREENED INT.: 78.5- 93.5
BEDROCK DEPTH: 94.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

WELL 04044
AQUIFER: ALLUVIUM
SCREENED INT.: 49.0- 69.0
BEDROCK DEPTH: 69.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION (WELL 042)	CONCENTRATION (WELL 04044)
111TCE	<1.700	<1.700
112TCE	<1.000	<1.000
11DCE	<1.100	<1.100
11DCLE	<1.200	<1.200
12DCLE	<0.610	<0.610
ALDRN	<0.083	<0.083
AS	<2.500	<2.500
BTZ	<1.140	<1.140
C6H6	<1.340	<1.340
CA	194000.000	187000.000
CCL4	<2.400	<2.400
CD	<5.160	<5.160
CH2CL2	<5.000	<5.000
CHCL3	<1.400	<1.400
CL	185000.000	164000.000
CL6CP	<0.083	<0.083
CLC6H5	1.820	<0.580
CLDAN	<0.152	<0.152
CPMS	<1.080	<1.080
CPMSO	<1.980	<1.980
CPMSO2	<2.240	<2.240
CR	<5.960	9.510
CU	<7.940	<7.940
DBCP	<0.130	<0.130
DCPD	<9.310	<9.310
DIMP	<10.500	<10.500
DITH	<1.590	<1.590
DLDRN	<0.054	<0.054
DMDS	<1.160	<1.160
DMMP	<15.200	<15.200
ENDRN	<0.060	<0.060
ETC6H5	<1.280	<1.280
FL	<1220.000	<1200.000
HG	<0.359	<0.359
ISODR	<0.056	<0.056
K	6570.000	6850.000
MEC6H5	<1.210	<1.210
MG	18600.000	18900.000
MIBK	<12.900	<12.900
MXYLEN	<1.350	<1.350
NA	136000.000	126000.000
NIT	5970.000	5750.000
OXAT	<1.350	<1.350
PB	<18.600	<37.200
PPDDE	<0.046	<0.046
PPDDT	<0.059	<0.059
SO4	364000.000	355000.000
T12DCE	1.900	1.850
TCLEE	4.410	4.590
TRCLE	3.620	4.240
XYLEN	<2.470	<2.470
ZN	31.600	<40.200

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 04045
AQUIFER: ALLUVIUM
SCREENED INT.: 88.0-108.0
BEDROCK DEPTH: 108.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	199000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	153000.000
CL6CP	<0.083
CLC6H5	1.080
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	12.600
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	5870.000
MEC6H5	<1.210
MG	17600.000
MIBK	<12.900
MXYLEN	<1.350
NA	128000.000
NIT	5820.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	352000.000
T12DCE	2.340
TCLEE	4.760
TRCLE	4.850
XYLEN	<2.470
ZN	30.200

WELL 05001
AQUIFER: DENVER
SCREENED INT.: 22.8- 28.8
BEDROCK DEPTH: 6.4
BEDROCK LITH.: ST
SCREENED ZONE: B

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	331000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	158000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	15.700
CU	9.740
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2020.000
HG	<0.359
ISODR	<0.056
K	8660.000
MEC6H5	<1.210
MG	38600.000
MIBK	<12.900
MXYLEN	<1.350
NA	313000.000
NIT	51500.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1170000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	73.900

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, F[illegible]

WELL .002
AQUIFER: ALLUVIUM
SCREENED INT.: 25.7- 32.7
BEDROCK DEPTH: 32.7
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	54700.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	25700.000
CL6CP	<0.083
CLC6H5	1.390
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1310.000
HG	<0.359
ISODR	<0.056
K	3020.000
MEC6H5	<1.210
MG	11400.000
MIBK	<12.900
MXYLEN	<1.350
NA	79100.000
NIT	6900.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	79800.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	40.900

WELL 06003
AQUIFER: ALLUVIUM
SCREENED INT.: 9.0- 19.0
BEDROCK DEPTH: 21.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	77600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	73100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	7.300
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4010.000
MEC6H5	<1.210
MG	27200.000
MIBK	<12.900
MXYLEN	<1.350
NA	106000.000
NIT	2500.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	220000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	111.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 06004
AQUIFER: DENVER
SCREENED INT.: 58.0- 63.0
BEDROCK DEPTH: 21.0
BEDROCK LITH.: ST
SCREENED ZONE: A SH

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	2.570
BTZ	<1.140
C6H6	<1.340
CA	67000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	12000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2860.000
MEC6H5	<1.210
MG	5430.000
MIBK	<12.900
MXYLEN	<1.350
NA	105000.000
NIT	70.200
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	319000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 06005
AQUIFER: DENVER
SCREENED INT.: 83.0- 93.0
BEDROCK DEPTH: 21.0
BEDROCK LITH.: ST
SCREENED ZONE: AL LG

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	15900.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	13600.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	963.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	109000.000
NIT	20.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	146000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 001
AQUIFER: ALLUVIUM
SCREENED INT.: 16.8- 21.8
BEDROCK DEPTH: 21.3
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	413000.000
CCL4	<2.400
CD	11.500
CH2CL2	<5.000
CHCL3	<1.400
CL	39500.000
CL6CP	<0.083
CLC6H5	1.870
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	37.400
CU	29.600
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2650.000
HG	<0.359
ISODR	<0.056
K	4920.000
MEC6H5	<1.210
MG	26600.000
MIBK	<12.900
MXYLEN	<1.350
NA	363000.000
NIT	726.000
OXAT	<1.350
PB	24.200
PPDDE	<0.046
PPDDT	<0.059
SO4	295000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	96.900

WELL 07004
AQUIFER: DENVER
SCREENED INT.: 44.0- 59.0
BEDROCK DEPTH: 22.0
BEDROCK LITH.: SH
SCREENED ZONE: B

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	.
BTZ	<1.140
C6H6	<1.340
CA	.
CCL4	<2.400
CD	.
CH2CL2	<5.000
CHCL3	<1.400
CL	.
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	.
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	.
ENDRN	<0.060
ETC6H5	<1.280
FL	.
HG	.
ISODR	<0.056
K	.
MEC6H5	<1.210
MG	.
MIBK	<12.9[illegible]
MXYLEN	<1.35[illegible]
NA	.
NIT	.
OXAT	<1.35
PB	.
PPDDE	<0.[illegible]
PPDDT	<0.05[illegible]
SO4	.
T12DCE	<1.20[illegible]
TCLEE	<1.3[illegible]
TRCLE	<1.1[illegible]
XYLEN	<2.47[illegible]
ZN	.

WELL 08003

AQUIFER: ALLUVIUM
SCREENED INT.: 9.0- 29.0
BEDROCK DEPTH: 29.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	0.636
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	76100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	50600.000
CL6CP	<0.083
CLC6H5	0.737
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	11.000
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3020.000
MEC6H5	<1.210
MG	20100.000
MIBK	<12.900
MXYLEN	<1.350
NA	78200.000
NIT	> 20000.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	77600.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 08005

AQUIFER: DENVER
SCREENED INT.: 148.0-208.0
BEDROCK DEPTH: 29.0
BEDROCK LITH.: SS
SCREENED ZONE: AL LG

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	2.570
BTZ	<1.140
C6H6	<1.340
CA	4740.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	23100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1210.000
HG	<0.359
ISODR	<0.056
K	659.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	92900.000
NIT	12.200
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	17100.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	41.900

WELL 002
AQUIFER: ALLUVIUM
SCREENED INT.: 64.0- 84.0
BEDROCK DEPTH: 84.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	170000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	94200.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	13.300
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	6220.000
MEC6H5	<1.210
MG	19600.000
MIBK	<12.900
MXYLEN	<1.350
NA	107000.000
NIT	8430.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	335000.000
T12DCE	<1.200
TCLEE	1.590
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 09003
AQUIFER: DENVER
SCREENED INT.: 104.0-129.0
BEDROCK DEPTH: 84.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	21600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	5890.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1450.000
HG	<0.359
ISODR	<0.056
K	1040.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	596[illegible]
NIT	[illegible]
OXAT	<1.35[illegible]
PB	<19.6[illegible]
PPDDE	<0.046
PPDDT	<0.059
SO4	59300.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	21.600

WELL 09005

AQUIFER: ALLUVIUM
SCREENED INT.: 51.5- 77.0
BEDROCK DEPTH: 78.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	187000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	115000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	12.300
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	5870.000
MEC6H5	<1.210
MG	16800.000
MIBK	<12.900
MXYLEN	<1.350
NA	124000.000
NIT	11600.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	330000.000
T12DCE	8.990
TCLEE	1.870
TRCLE	5.860
XYLEN	<2.470
ZN	28.500

WELL 09006

AQUIFER: ALLUVIUM
SCREENED INT.: 41.8- 67.3
BEDROCK DEPTH: 68.3
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	173000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	137000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	11.600
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4090.000
MEC6H5	<1.210
MG	17600.000
MIBK	<12.900
MXYLEN	<1.350
NA	73300.000
NIT	3510.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	264000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	39.100

WELL 008

AQUIFER: ALLUVIUM
SCREENED INT.: 60.8- 75.8
BEDROCK DEPTH: 76.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	8.180
112TCE	<1.000
11DCE	2.960
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	130000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	85900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4750.000
MEC6H5	<1.210
MG	11100.000
MIBK	<12.900
MXYLEN	<1.350
NA	51600.000
NIT	9820.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	142000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	17.400
XYLEN	<2.470
ZN	<40.200

WELL 09010

AQUIFER: ALLUVIUM
SCREENED INT.: 64.0- 84.0
BEDROCK DEPTH: 85.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	88700.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	44700.000
CL6CP	<0.083
CLC6H5	0.659
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3280.000
MEC6H5	<1.210
MG	10100.000
MIBK	<12.9[illegible]
MXYLEN	<1.35[illegible]
NA	4830[illegible]
NIT	6870[illegible]
OXAT	<1.35[illegible]
PB	<37.2[illegible]
PPDDE	<0.[illegible]
PPDDT	<0.[illegible]
SO4	84500.[illegible]
T12DCE	<1.2[illegible]
TCLEE	<1.30[illegible]
TRCLE	<1.100
XYLEN	<2.470
ZN	<40.200

WELL 09011

AQUIFER: ALLUVIUM
SCREENED INT.: 75.0- 90.0
BEDROCK DEPTH: 90.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	73.000
112TCE	<1.000
11DCE	24.200
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	129000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	79500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	6.140
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4750.000
MEC6H5	<1.210
MG	11200.000
MIBK	<12.900
MXYLEN	<1.350
NA	61500.000
NIT	8690.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	168000.000
T12DCE	1.600
TCLEE	<1.300
TRCLE	36.300
XYLEN	<2.470
ZN	<40.200

WELL 09013

AQUIFER: ALLUVIUM
SCREENED INT.: 55.0- 75.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	85.200
112TCE	<1.000
11DCE	28.700
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	137000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	87300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	8.770
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	5300.000
MEC6H5	<1.210
MG	12200.000
MIBK	<12.900
MXYLEN	<1.350
NA	60300.000
NIT	9030.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	161000.000
T12DCE	2.570
TCLEE	<1.300
TRCLE	41.500
XYLEN	<2.470
ZN	<40.200

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 002
AQUIFER: ALLUVIUM
SCREENED INT.: 20.0- 65.0
BEDROCK DEPTH: 65.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	47600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	34000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1350.000
HG	<0.359
ISODR	<0.056
K	3320.000
MEC6H5	<1.210
MG	7280.000
MIBK	<12.900
MXYLEN	<1.350
NA	25400.000
NIT	3730.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	22200.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	61.600

WELL 11004
AQUIFER: DENVER
SCREENED INT.: 97.0-103.0
BEDROCK DEPTH: 65.0
BEDROCK LITH.: SH
SCREENED ZONE: AU

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	8670.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	5520.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1750.000
HG	<0.359
ISODR	<0.056
K	659.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.35[illegible]
NA	58400.00[illegible]
NIT	32.6[illegible]
OXAT	<1.35[illegible]
PB	<18.6[illegible]
PPDDE	<0.046
PPDDT	<0.059
SO4	12100.00[illegible]
T12DCE	<1.2[illegible]
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 12002
AQUIFER: ALLUVIUM
SCREENED INT.: 19.0- 44.0
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	95900.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	102000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	17.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4540.000
MEC6H5	<1.210
MG	19300.000
MIBK	<12.900
MXYLEN	<1.350
NA	82900.000
NIT	3810.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	149000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	29.500

WELL 12003
AQUIFER: DENVER
SCREENED INT.: 60.0- 70.0
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SH
SCREENED ZONE: B

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	57100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	32800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	1880.000
MEC6H5	<1.210
MG	8130.000
MIBK	<12.900
MXYLEN	<1.350
NA	43000.000
NIT	4080.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	47900.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	28.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 004
AQUIFER: DENVER
SCREENED INT.: 109.5-124.5
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SH
SCREENED ZONE: AU

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	16100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	7630.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	818.000
MEC6H5	<1.210
MG	548.000
MIBK	<12.900
MXYLEN	<1.350
NA	87000.000
NIT	<100.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	85300.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 19001
AQUIFER: ALLUVIUM
SCREENED INT.: 23.6- 39.6
BEDROCK DEPTH: 25.1
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	158000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	147000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	17.900
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1310.000
HG	<0.359
ISODR	<0.056
K	2710.000
MEC6H5	<1.210
MG	46400.000
MIBK	<12.900
MXYLEN	<1.350
NA	202000.000
NIT	176.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	570000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 19003 AQUIFER: DENVER
SCREENED INT.: 13.0- 21.0
BEDROCK DEPTH: 5.0
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	304000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	173000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	43.200
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	8.920
DMDS	<1.160
DMMP	<15.200
ENDRN	0.198
ETC6H5	<1.280
FL	2340.000
HG	<0.359
ISODR	<0.056
K	4840.000
MEC6H5	<1.210
MG	89300.000
MIBK	<12.900
MXYLEN	<1.350
NA	442000.000
NIT	3210.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1800000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	59.600

WELL 19015 AQUIFER: DENVER
SCREENED INT.: 55.0- 75.0
BEDROCK DEPTH: 39.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	124000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	83300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	12.500
CU	16.700
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4620.000
MEC6H5	<1.210
MG	26500.000
MIBK	<12.900
MXYLEN	<1.350
NA	495000.000
NIT	137.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	987000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 017
AQUIFER: DENVER
SCREENED INT.: 27.0- 47.0
BEDROCK DEPTH: 13.0
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	76300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	44200.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	13.300
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	10900.000
MEC6H5	<1.210
MG	19500.000
MIBK	<12.900
MXYLEN	<1.350
NA	146000.000
NIT	22800.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	194000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	304.000

WELL 22005
AQUIFER: ALLUVIUM
SCREENED INT.: 37.0- 43.5
BEDROCK DEPTH: 43.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	16.500
CL	286000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	.
DITH	.
DLDRN	0.087
DMDS	.
DMMP	.
ENDRN	<0.060
ETC6H5	<0.620
FL	1930.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	156000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 22006
AQUIFER: ALLUVIUM
SCREENED INT.: 18.5- 22.5
BEDROCK DEPTH: 22.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	152000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	112000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	15.500
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	4130.000
HG	<0.359
ISODR	<0.056
K	5550.000
MEC6H5	<1.210
MG	43500.000
MIBK	<12.900
MXYLEN	<1.350
NA	463000.000
NIT	3000.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1270000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WELL 22008
AQUIFER: ALLUVIUM
SCREENED INT.: 45.0- 63.3
BEDROCK DEPTH: 63.2
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	9.370
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	20.400
CL	736000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	0.344
DCPD	<9.310
DIMP	58.300
DITH	.
DLDRN	0.654
DMDS	.
DMMP	<15.200
ENDRN	0.294
ETC6H5	<0.620
FL	2980.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	407000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	2.620
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 011

AQUIFER: ALLUVIUM
SCREENED INT.: 38.5- 42.5
BEDROCK DEPTH: 42.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	5.830
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	402000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.100
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3220.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	321000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 22015

AQUIFER: ALLUVIUM
SCREENED INT.: 41.0- 51.0
BEDROCK DEPTH: 51.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	4.270
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	28.100
CL	460000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	0.147
DCPD	<9.310
DIMP	<10.50[illegible]
DITH	.
DLDRN	0.235
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2940.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.[illegible]
MXYLEN	<1.[illegible]4[illegible]
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.[illegible]4[illegible]
PPDDT	<0.059
SO4	232000.[illegible]
T12DCE	<1.75[illegible]
TCLEE	<2.76[illegible]
TRCLE	1.94[illegible]
XYLEN	<1.34[illegible]
ZN	.

WELL 22016
AQUIFER: ALLUVIUM
SCREENED INT.: 37.0- 47.0
BEDROCK DEPTH: 47.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	2.930
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	30.200
CL	353000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	12.000
DITH	.
DLDRN	0.192
DMDS	.
DMMP	<15.200
ENDRN	0.112
ETC6H5	<0.620
FL	2100.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	194000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	2.170
XYLEN	<1.340
ZN	.

WELL 22017
AQUIFER: ALLUVIUM
SCREENED INT.: 42.0- 52.0
BEDROCK DEPTH: 52.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	3.370
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	34.200
CL	430000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.272
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2220.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	231000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL '018
AQUIFER: ALLUVIUM
SCREENED INT.: 30.5- 40.5
BEDROCK DEPTH: 40.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	10.300
CL	312000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	<0.054
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1900.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	168000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 22019
AQUIFER: ALLUVIUM
SCREENED INT.: 42.0- 52.0
BEDROCK DEPTH: 52.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	11.000
CL	315000.000
CL6CP	0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	<0.054
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1820.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	171000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 22021

AQUIFER: ALLUVIUM
SCREENED INT.: 38.1- 47.1
BEDROCK DEPTH: 57.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	122000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	13.100
CL	387000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1230.000
HG	<0.359
ISODR	<0.056
K	5380.000
MEC6H5	<1.210
MG	34500.000
MIBK	<12.900
MXYLEN	<1.350
NA	197000.000
NIT	3720.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	2520000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	33.500

WELL 22023

AQUIFER: DENVER
SCREENED INT.: 70.0- 80.0
BEDROCK DEPTH: 57.0
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	4.240
BTZ	<1.140
C6H6	<1.340
CA	51500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	104000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	1740.000
MEC6H5	<1.210
MG	5640.000
MIBK	<12.900
MXYLEN	<1.350
NA	72400.000
NIT	108.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	62400.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

'ELL
J24

AQUIFER: DENVER
SCREENED INT.: 95.0-105.0
BEDROCK DEPTH: 57.0
BEDROCK LITH.: SH
SCREENED ZONE: 5

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	4.940
BTZ	<1.140
C6H6	<1.340
CA	50000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	14600.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	12.500
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2480.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	98500.000
NIT	201.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	83700.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	45.600

WELL
22027

AQUIFER: DENVER
SCREENED INT.: 65.0- 75.0
BEDROCK DEPTH: 44.0
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	> 9.040
CA	460000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	346000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	26.000
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1900.000
HG	<0.359
ISODR	<0.056
K	10100.000
MEC6H5	<1.210
MG	38500.000
MIBK	<12.900
MXYLEN	<1.350
NA	838000.000
NIT	379.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1990000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	41.200

WELL 22028

AQUIFER: DENVER
SCREENED INT.: 100.0-115.0
BEDROCK DEPTH: 44.0
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	273000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	643000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	6.620
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1740.000
HG	<0.359
ISODR	<0.056
K	5050.000
MEC6H5	<1.210
MG	9740.000
MIBK	<12.900
MXYLEN	<1.350
NA	737000.000
NIT	224.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1550000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 22030

AQUIFER: DENVER
SCREENED INT.: 100.0-110.0
BEDROCK DEPTH: 29.0
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	122000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	444000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	14.400
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1290.000
HG	<0.359
ISODR	<0.056
K	2570.000
MEC6H5	<1.210
MG	5200.000
MIBK	<12.900
MXYLEN	<1.350
NA	520000.000
NIT	51.600
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	773000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 031

AQUIFER: DENVER
SCREENED INT.: 124.0-134.0
BEDROCK DEPTH: 29.0
BEDROCK LITH.: SH
SCREENED ZONE: 5

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	76200.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	455000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2010.000
MEC6H5	<1.210
MG	1070.000
MIBK	<12.900
MXYLEN	<1.350
NA	444000.000
NIT	34.400
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	476000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	113.000

WELL 22033

AQUIFER: ALLUVIUM
SCREENED INT.: 31.5- 55.5
BEDROCK DEPTH: 55.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	16.200
CL	295000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	<0.054
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1680.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.9[illegible]
MXYLEN	<1.04[illegible]
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	153000.[illegible]
T12DCE	<1.75[illegible]
TCLEE	<2.76[illegible]
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 22043

AQUIFER: ALLUVIUM
SCREENED INT.: 34.5- 57.5
BEDROCK DEPTH: 57.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	40.400
CL	323000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.147
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1640.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	140000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	1.790
XYLEN	<1.340
ZN	.

WELL 22044

AQUIFER: ALLUVIUM
SCREENED INT.: 27.5- 32.5
BEDROCK DEPTH: 32.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	4.720
BTZ	.
C6H6	7.420
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	743000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.159
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3750.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	403000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

'ELL
J49
AQUIFER: ALLUVIUM
SCREENED INT.: 25.3- 35.3
BEDROCK DEPTH: 35.8
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	.
AS	.
BTZ	.
C6H6	<1.340
CA	.
CCL4	<2.400
CD	.
CH2CL2	<5.000
CHCL3	<1.400
CL	.
CL6CP	.
CLC6H5	<0.580
CLDAN	.
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<21.600
DIMP	13.600
DITH	.
DLDRN	.
DMDS	.
DMMP	<15.200
ENDRN	.
ETC6H5	<1.280
FL	.
HG	.
ISODR	.
K	.
MEC6H5	<1.210
MG	.
MIBK	<12.900
MXYLEN	<1.350
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	.
PPDDT	.
SO4	.
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	.

WELL
22051
AQUIFER: ALLUVIUM
SCREENED INT.: 25.2- 45.2
BEDROCK DEPTH: 45.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	5.820
BTZ	<1.140
C6H6	<1.340
CA	135000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	738000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	11.600
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.377
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2270.000
HG	<0.359
ISODR	<0.056
K	6810.000
MEC6H5	<1.210
MG	31100.000
MIBK	<12.900
MXYLEN	<1.35[illegible]
NA	444000.[illegible]
NIT	19700.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	295000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	45.300

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 22053
AQUIFER: ALLUVIUM
SCREENED INT.: 30.0- 50.0
BEDROCK DEPTH: 46.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	7.660
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	15.300
CL	757000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	0.279
DCPD	<9.310
DIMP	24.800
DITH	.
DLDRN	0.419
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3030.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	430000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	1.680
XYLEN	<1.340
ZN	.

WELL 22059
AQUIFER: ALLUVIUM
SCREENED INT.: 42.7- 52.7
BEDROCK DEPTH: 53.4
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	324000.000
CCL4	<2.400
CD	7.070
CH2CL2	<5.000
CHCL3	26.700
CL	615000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	2.160
CPMSO2	<2.240
CR	649.000
CU	589.000
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.188
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2170.000
HG	<0.359
ISODR	<0.056
K	2060.000
MEC6H5	<1.210
MG	197000.000
MIBK	<12.900
MXYLEN	<1.350
NA	383000.000
NIT	5000.000
OXAT	<1.350
PB	75.300
PPDDE	<0.046
PPDDT	<0.059
SO4	252000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	2210.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 065
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	15.900
CL	322000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	<0.054
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1780.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	174000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23004
AQUIFER: ALLUVIUM
SCREENED INT.: 15.0- 27.0
BEDROCK DEPTH: 31.9
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<170.000
112TCE	<100.000
11DCE	<110.000
11DCLE	<120.000
12DCLE	<61.000
ALDRN	<0.415
AS	4.980
BTZ	<1.140
C6H6	<134.000
CA	623000.000
CCL4	<240.000
CD	<5.160
CH2CL2	<500.000
CHCL3	7330.000
CL	2650000.000
CL6CP	<0.415
CLC6H5	<58.000
CLDAN	<0.760
CPMS	<1.080
CPMSO	<1.980
CPMSO2	10.600
CR	59.800
CU	18.400
DBCP	1.420
DCPD	414.000
DIMP	1590.000
DITH	10.800
DLDRN	3.480
DMDS	<1.160
DMMP	<15.200
ENDRN	0.512
ETC6H5	<128.000
FL	4430.000
HG	<0.359
ISODR	<0.280
K	12600.000
MEC6H5	<121.000
MG	279000.000
MIBK	<12.900
MXYLEN	<135.000
NA	838000.000
NIT	14.400
OXAT	2.9[illegible]
PB	<18.6[illegible]
PPDDE	<0.23[illegible]
PPDDT	<0.295
SO4	832000.000
T12DCE	<120.000
TCLEE	<130.000
TRCLE	<110.000
XYLEN	<247.000
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23007

AQUIFER: ALLUVIUM
SCREENED INT.: 31.8- 41.8
BEDROCK DEPTH: 41.4
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	6.060
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	208.000
CL	342000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	2.280
CPMSO	61.600
CPMSO2	4.790
CR	.
CU	.
DBCP	2.170
DCPD	<9.310
DIMP	197.000
DITH	<1.590
DLDRN	0.995
DMDS	<1.160
DMMP	<15.200
ENDRN	0.870
ETC6H5	<0.620
FL	1960.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	402000.000
T12DCE	<1.750
TCLEE	10.600
TRCLE	1.330
XYLEN	<1.340
ZN	.

WELL 23008

AQUIFER: ALLUVIUM
SCREENED INT.: 34.7- 44.7
BEDROCK DEPTH: 44.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	2.870
CL	273000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.090
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2850.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	3500000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 009

AQUIFER: ALLUVIUM
SCREENED INT.: 17.8- 22.8
BEDROCK DEPTH: 23.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	4.080
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	247000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	15.800
CR	.
CU	.
DBCP	<0.130
DCPD	11.200
DIMP	> 210.000
DITH	16.900
DLDRN	0.573
DMDS	<1.160
DMMP	<15.200
ENDRN	0.248
ETC6H5	<0.620
FL	3560.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	3.690
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	226000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23010

AQUIFER: ALLUVIUM
SCREENED INT.: 16.0- 19.0
BEDROCK DEPTH: 19.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	4.080
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	289000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	15.900
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	1370.000
DITH	7.900
DLDRN	0.105
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	4220.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	2.500
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	379000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23011
AQUIFER: ALLUVIUM
SCREENED INT.: 19.5- 22.5
BEDROCK DEPTH: 22.5
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

WELL 23029
AQUIFER: ALLUVIUM
SCREENED INT.: 13.2- 23.2
BEDROCK DEPTH: 23.8
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION	COMPOUND	CONCENTRATION
111TCE	<1.090	111TCE	.
112TCE	<1.630	112TCE	.
11DCE	<1.850	11DCE	.
11DCLE	<1.930	11DCLE	.
12DCLE	<2.070	12DCLE	.
ALDRN	<0.083	ALDRN	<0.083
AS	2.720	AS	<2.500
BTZ	<1.140	BTZ	1.410
C6H6	<1.920	C6H6	.
CA	.	CA	51300.000
CCL4	<1.690	CCL4	.
CD	.	CD	<5.160
CH2CL2	<2.480	CH2CL2	.
CHCL3	<1.880	CHCL3	.
CL	599000.000	CL	267000.000
CL6CP	<0.083	CL6CP	<0.083
CLC6H5	<1.360	CLC6H5	.
CLDAN	<0.152	CLDAN	<0.152
CPMS	<1.080	CPMS	30.100
CPMSO	3.220	CPMSO	12.700
CPMSO2	14.100	CPMSO2	310.000
CR	.	CR	<5.960
CU	.	CU	<7.940
DBCP	<0.130	DBCP	<0.130
DCPD	<9.310	DCPD	<9.310
DIMP	558.000	DIMP	420.000
DITH	8.060	DITH	55.000
DLDRN	0.256	DLDRN	0.670
DMDS	<1.160	DMDS	8.470
DMMP	<15.200	DMMP	<15.200
ENDRN	0.200	ENDRN	0.421
ETC6H5	<0.620	ETC6H5	.
FL	3100.000	FL	3470.000
HG	.	HG	<0.359
ISODR	<0.056	ISODR	<0.056
K	.	K	3620.000
MEC6H5	<2.100	MEC6H5	.
MG	.	MG	20000.000
MIBK	<12.900	MIBK	<12.900
MXYLEN	<1.040	MXYLEN	.
NA	.	NA	294000.000
NIT	.	NIT	179.000
OXAT	3.080	OXAT	13.100
PB	.	PB	<18.600
PPDDE	<0.046	PPDDE	<0.046
PPDDT	<0.059	PPDDT	<0.059
SO4	231000.000	SO4	221000.000
T12DCE	<1.750	T12DCE	.
TCLEE	<2.760	TCLEE	.
TRCLE	<1.310	TRCLE	.
XYLEN	<1.340	XYLEN	.
ZN	.	ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 033
AQUIFER: ALLUVIUM
SCREENED INT.: 23.7- 28.7
BEDROCK DEPTH: 29.
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	4.010
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	1320000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	161.000
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	681.000
DITH	32.300
DLDRN	0.188
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3630.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	7.460
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	410000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	2.310
XYLEN	<1.340
ZN	.

WELL 23043
AQUIFER: ALLUVIUM
SCREENED INT.: 16.7- 20.7
BEDROCK DEPTH: 23.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	238000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	34.000
CPMSO2	3.360
CR	.
CU	.
DBCP	0.270
DCPD	40.800
DIMP	15.000
DITH	<1.590
DLDRN	0.449
DMDS	<1.160
DMMP	<15.200
ENDRN	0.274
ETC6H5	<0.620
FL	2530.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	427000.000
T12DCE	<1.750
TCLEE	5.72[illegible]
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23047
AQUIFER: ALLUVIUM
SCREENED INT.: 21.9- 25.9
BEDROCK DEPTH: 25.3
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	3.470
CL	348000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	3.770
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	69.900
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2730.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	857000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23049
AQUIFER: ALLUVIUM
SCREENED INT.: 38.4- 42.4
BEDROCK DEPTH: 45.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<34.000
112TCE	<20.000
11DCE	<22.000
11DCLE	<24.000
12DCLE	143.000
ALDRN	<1.400
AS	45.200
BTZ	<2.000
C6H6	<26.800
CA	113000.000
CCL4	<48.000
CD	<5.160
CH2CL2	<100.000
CHCL3	10800.000
CL	5200000.000
CL6CP	<1.400
CLC6H5	<11.600
CLDAN	.
CPMS	<28.100
CPMSO	<4.200
CPMSO2	478.000
CR	<5.960
CU	<7.940
DBCP	0.275
DCPD	1200.000
DIMP	474.000
DITH	92.900
DLDRN	<1.200
DMDS	<1.800
DMMP	<76.000
ENDRN	<1.040
ETC6H5	<25.600
FL	<12200.000
HG	<0.480
ISODR	<1.200
K	33200.000
MEC6H5	<24.200
MG	178000.000
MIBK	<12.900
MXYLEN	<27.000
NA	2990000.000
NIT	310.000
OXAT	19.800
PB	<18.600
PPDDE	<1.060
PPDDT	<1.400
SO4	1350000.000
T12DCE	<24.000
TCLEE	43.100
TRCLE	<110.000
XYLEN	<49.400
ZN	34.700

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 050
AQUIFER: ALLUVIUM
SCREENED INT.: 46.4- 50.4
BEDROCK DEPTH: 48.8
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	3.100
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	1320000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	7.020
CPMSO2	145.000
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	1270.000
DITH	23.100
DLDRN	0.210
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	4040.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	6.390
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	412000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23052
AQUIFER: ALLUVIUM
SCREENED INT.: 35.6- 39.6
BEDROCK DEPTH: 39.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	80.100
ALDRN	<0.083
AS	9.150
BTZ	12.800
C6H6	11.200
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	> 5930.000
CL	5910000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	125.000
CPMSO	<1.980
CPMSO2	647.000
CR	.
CU	.
DBCP	0.306
DCPD	264.000
DIMP	1510.000
DITH	74.300
DLDRN	1.110
DMDS	7.410
DMMP	<15.200
ENDRN	0.989
ETC6H5	<0.620
FL	13400.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	19.[illegible]
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1940000.000
T12DCE	<1.750
TCLEE	34.300
TRCLE	13.500
XYLEN	1.490
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23053
AQUIFER: DENVER
SCREENED INT.: 43.1- 47.1
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SH
SCREENED ZONE: 2 SH

COMPOUND	CONCENTRATION
111TCE	<85.000
112TCE	<1.000
11DCE	<1.100
11DCLE	2.110
12DCLE	<61.000
ALDRN	<0.083
AS	9.080
BTZ	5.010
C6H6	19.600
CA	1040000.000
CCL4	<120.000
CD	<5.160
CH2CL2	58.900
CHCL3	16500.000
CL	4750000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	94.300
CPMSO	<1.980
CPMSO2	520.000
CR	<5.960
CU	16.800
DBCP	1.690
DCPD	256.000
DIMP	1660.000
DITH	<79.500
DLDRN	> 2.060
DMDS	28.500
DMMP	156.000
ENDRN	1.220
ETC6H5	1.340
FL	7500.000
HG	<0.359
ISODR	<0.056
K	14500.000
MEC6H5	1.460
MG	449000.000
MIBK	<129.000
MXYLEN	<1.350
NA	1460000.000
NIT	<10.000
OXAT	17.200
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1280000.000
T12DCE	<1.200
TCLEE	37.900
TRCLE	7.650
XYLEN	<2.470
ZN	<20.100

WELL 23057
AQUIFER: ALLUVIUM
SCREENED INT.: 41.6- 45.6
BEDROCK DEPTH: 44.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	.930
12DCLE	6.150
ALDRN	<0.083
AS	6.430
BTZ	1.770
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	198.000
CL	1980000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	12.700
CPMSO	19.600
CPMSO2	16.800
CR	.
CU	.
DBCP	<0.130
DCPD	165.000
DIMP	3070.000
DITH	33.000
DLDRN	0.478
DMDS	<1.160
DMMP	<15.200
ENDRN	0.321
ETC6H5	<0.620
FL	4440.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	12.100
PB	.
PPDDE	0.102
PPDDT	<0.059
SO4	521000.000
T12DCE	<1.750
TCLEE	38.400
TRCLE	4.640
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 058
AQUIFER: ALLUVIUM
SCREENED INT.: 39.1- 43.1
BEDROCK DEPTH: 41.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.117
AS	.
BTZ	<1.140
C6H6	<1.340
CA	.
CCL4	<2.400
CD	.
CH2CL2	<5.000
CHCL3	<1.400
CL	.
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<21.600
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	.
HG	.
ISODR	<0.056
K	.
MEC6H5	<1.210
MG	.
MIBK	<12.900
MXYLEN	<1.350
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	.
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	.

WELL 23085
AQUIFER: ALLUVIUM
SCREENED INT.: 23.6- 27.0
BEDROCK DEPTH: 29.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	2.780
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	370000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	4.940
CPMSO2	9.440
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	387.000
DITH	12.300
DLDRN	0.178
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	3310.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.9[illegible]
MXYLEN	<1.[illegible]4[illegible]
NA	.
NIT	.
OXAT	3.8[illegible]
PB	.
PPDDE	<0.04[illegible]
PPDDT	<0.05[illegible]
SO4	185000.0[illegible]
T12DCE	<1.75[illegible]
TCLEE	<2.76[illegible]
TRCLE	<1.31[illegible]
XYLEN	<1.34[illegible]
ZN	.

WELL 23095
AQUIFER: ALLUVIUM
SCREENED INT.: 44.3- 48.3
BEDROCK DEPTH: 53.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<17.000
112TCE	<10.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	26.600
ALDRN	<0.700
AS	18.000
BTZ	<2.000
C6H6	<13.400
CA	345000.000
CCL4	<24.000
CD	<5.160
CH2CL2	<5.000
CHCL3	997.000
CL	5580000.000
CL6CP	<0.700
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	430.000
CR	15.200
CU	<7.940
DBCP	<0.130
DCPD	681.000
DIMP	788.000
DITH	66.300
DLDRN	<0.600
DMDS	<1.800
DMMP	<152.000
ENDRN	<0.520
ETC6H5	<1.280
FL	9690.000
HG	<0.480
ISODR	<0.600
K	48200.000
MEC6H5	8.110
MG	209000.000
MIBK	<12.900
MXYLEN	<1.350
NA	3320000.000
NIT	40.300
OXAT	11.700
PB	<18.600
PPDDE	<0.530
PPDDT	<0.700
SO4	1520000.000
T12DCE	<1.200
TCLEE	28.500
TRCLE	<110.000
XYLEN	<2.470
ZN	38.700

WELL 23096
AQUIFER: ALLUVIUM
SCREENED INT.: 27.0- 37.0
BEDROCK DEPTH: 37.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	2.960
CD	.
CH2CL2	.
CHCL3	1560.000
CL	309000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	1.710
CPMSO	48.500
CPMSO2	<2.240
CR	.
CU	.
DBCP	4.590
DCPD	<9.310
DIMP	142.000
DITH	<1.590
DLDRN	1.090
DMDS	<1.160
DMMP	<30.400
ENDRN	1.330
ETC6H5	<0.620
FL	2700.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	412000.000
T12DCE	<1.750
TCLEE	32.900
TRCLE	1.790
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 102
AQUIFER: ALLUVIUM
SCREENED INT.: 32.7- 36.1
BEDROCK DEPTH: 36.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	28.700
ALDRN	<0.083
AS	5.510
BTZ	4.300
C6H6	9.970
CA	.
CCL4	<1.690
CD	.
CH2CL2	17.500
CHCL3	3830.000
CL	2090000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	37.000
CPMSO	14.500
CPMSO2	122.000
CR	.
CU	.
DBCP	0.432
DCPD	272.000
DIMP	2660.000
DITH	67.400
DLDRN	0.639
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	4980.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	19.300
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	566000.000
T12DCE	<1.750
TCLEE	58.300
TRCLE	9.120
XYLEN	<1.340
ZN	.

WELL 23106
AQUIFER: DENVER
SCREENED INT.: 34.4- 37.8
BEDROCK DEPTH: 34.0
BEDROCK LITH.: SH
SCREENED ZONE: 2 SH

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	47.800
ALDRN	<0.415
AS	4.590
BTZ	6.620
C6H6	7.470
CA	.
CCL4	<1.690
CD	.
CH2CL2	11.700
CHCL3	8760.000
CL	1900000.000
CL6CP	<0.415
CLC6H5	<1.360
CLDAN	<0.760
CPMS	49.200
CPMSO	91.300
CPMSO2	111.000
CR	.
CU	.
DBCP	5.570
DCPD	161.000
DIMP	1900.000
DITH	34.800
DLDRN	2.060
DMDS	<1.160
DMMP	<152.000
ENDRN	0.438
ETC6H5	<0.620
FL	4440.000
HG	.
ISODR	0.411
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	10.300
PB	.
PPDDE	<0.231
PPDDT	<0.295
SO4	612000.000
T12DCE	<1.750
TCLEE	50.100
TRCLE	4.380
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23108
AQUIFER: ALLUVIUM
SCREENED INT.: 36.5- 40.5
BEDROCK DEPTH: 38.5
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	11.200
BTZ	<2.000
C6H6	<1.340
CA	127000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	629000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.176
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	2650.000
HG	<0.480
ISODR	<0.060
K	6590.000
MEC6H5	<1.210
MG	58500.000
MIBK	<12.900
MXYLEN	<1.350
NA	604000.000
NIT	1140.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	382000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 23118
AQUIFER: ALLUVIUM
SCREENED INT.: 13.5- 17.5
BEDROCK DEPTH: 17.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	3.150
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	<1.880
CL	230000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	11.000
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	558.000
DITH	1.680
DLDRN	0.181
DMDS	<1.160
DMMP	<152.000
ENDRN	<0.060
ETC6H5	<0.620
FL	4800.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	0.065
PPDDT	<0.059
SO4	289000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

ELL 119
AQUIFER: ALLUVIUM
SCREENED INT.: 14.0- 18.0
BEDROCK DEPTH: 18.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	2.930
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	<1.880
CL	324000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	3.760
CPMSO2	11.000
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	1530.000
DITH	4.090
DLDRN	0.246
DMDS	<1.160
DMMP	<380.000
ENDRN	<0.060
ETC6H5	<0.620
FL	3670.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	1.660
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	437000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23120
AQUIFER: ALLUVIUM
SCREENED INT.: 13.5- 17.5
BEDROCK DEPTH: 17.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	7.280
ALDRN	<0.083
AS	2.810
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	<1.880
CL	517000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	1.630
CPMSO	2.820
CPMSO2	25.200
CR	.
CU	.
DBCP	<0.130
DCPD	66.400
DIMP	966.000
DITH	33.100
DLDRN	<0.054
DMDS	<1.160
DMMP	<380.000
ENDRN	<0.060
ETC6H5	<0.620
FL	3190.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	6.61[illegible]
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	272000.000
T12DCE	<1.750
TCLEE	2.830
TRCLE	3.21[illegible]
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23123
AQUIFER: ALLUVIUM
SCREENED INT.: 20.0- 24.0
BEDROCK DEPTH: 23.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	5.120
ALDRN	<0.083
AS	2.810
BTZ	1.660
C6H6	7.590
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	3.890
CL	1020000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	21.400
CPMSO	18.300
CPMSO2	78.100
CR	.
CU	.
DBCP	0.191
DCPD	875.000
DIMP	580.000
DITH	33.600
DLDRN	0.355
DMDS	<1.160
DMMP	<304.000
ENDRN	<0.060
ETC6H5	<0.620
FL	3410.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	8.140
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	423000.000
T12DCE	<1.750
TCLEE	40.400
TRCLE	6.540
XYLEN	<1.340
ZN	.

WELL 23140
AQUIFER: ALLUVIUM
SCREENED INT.: 38.6- 54.6
BEDROCK DEPTH: 53.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	3.250
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	295000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	7.500
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	178.000
DITH	2.960
DLDRN	<0.054
DMDS	<1.160
DMMP	<76.000
ENDRN	<0.060
ETC6H5	<0.620
FL	5420.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	1.710
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	383000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 142

AQUIFER: ALLUVIUM
SCREENED INT.: 38.0- 59.4
BEDROCK DEPTH: 56.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	4.200
BTZ	<2.000
C6H6	<1.340
CA	112000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	518000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	6.210
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	1340.000
DITH	21.400
DLDRN	<0.060
DMDS	<1.800
DMMP	<380.000
ENDRN	<0.052
ETC6H5	<1.280
FL	2650.000
HG	<0.480
ISODR	<0.060
K	5840.000
MEC6H5	<1.210
MG	36100.000
MIBK	<12.900
MXYLEN	<1.350
NA	428000.000
NIT	<20.000
OXAT	4.100
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	271000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 23150

AQUIFER: ALLUVIUM
SCREENED INT.: 22.0- 30.0
BEDROCK DEPTH: 28.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	3.150
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	275000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.153
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	4060.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.04[illegible]
NA	.
NIT	.
OXAT	<1.35[illegible]
PB	.
PPDDE	0.04[illegible]
PPDDT	<0.05[illegible]
SO4	353000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 1
AQUIFER: ALLUVIUM
SCREENED INT.: 27.0- 35.0
BEDROCK DEPTH: 34.2
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	<1.880
CL	294000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	6.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	270.000
DITH	2.060
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3660.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	381000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23160
AQUIFER: ALLUVIUM
SCREENED INT.: 22.0- 30.0
BEDROCK DEPTH: 27.3
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	11.900
ALDRN	<0.083
AS	3.580
BTZ	1.960
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	<1.880
CL	1650000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	18.400
CPMSO	<1.980
CPMSO2	133.000
CR	.
CU	.
DBCP	<0.130
DCPD	380.000
DIMP	1200.000
DITH	58.500
DLDRN	0.838
DMDS	<1.160
DMMP	<380.000
ENDRN	<0.600
ETC6H5	<0.620
FL	4670.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	11.900
PB	.
PPDDE	0.103
PPDDT	<0.059
SO4	686000.000
T12DCE	<1.750
TCLEE	19.300
TRCLE	11.600
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 61
AQUIFER: DENVER
SCREENED INT.: 64.0- 74.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	167000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	41500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4470.000
MEC6H5	<1.210
MG	13000.000
MIBK	<12.900
MXYLEN	<1.350
NA	352000.000
NIT	42.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1040000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	70.500

WELL 23177
AQUIFER: DENVER
SCREENED INT.: 33.0- 53.0
BEDROCK DEPTH: 14.5
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	296000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	2.030
CL	496000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	20.400
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	27.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1910.000
HG	<0.359
ISODR	<0.056
K	4100.000
MEC6H5	<1.210
MG	77400.000
MIBK	<12.900
MXYLEN	<1.350
NA	377000.000
NIT	3230.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1140000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23178
AQUIFER: ALLUVIUM
SCREENED INT.: 16.5- 26.5
BEDROCK DEPTH: 18.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	10.400
ALDRN	<0.083
AS	2.810
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	558000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	1.850
CPMSO	6.520
CPMSO2	23.500
CR	.
CU	.
DBCP	<0.130
DCPD	152.000
DIMP	681.000
DITH	27.100
DLDRN	<0.054
DMDS	<1.160
DMMP	<304.000
ENDRN	<0.060
ETC6H5	<0.620
FL	3030.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	5.740
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	343000.000
T12DCE	<1.750
TCLEE	6.530
TRCLE	3.430
XYLEN	<1.340
ZN	.

WELL 23179
AQUIFER: ALLUVIUM
SCREENED INT.: 17.0- 42.0
BEDROCK DEPTH: 42.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<170.000
112TCE	<1.000
11DCE	<1.100
11DCLE	3.370
12DCLE	<61.000
ALDRN	<0.830
AS	23.200
BTZ	<1.140
C6H6	<134.000
CA	612000.000
CCL4	<240.000
CD	<5.160
CH2CL2	129.000
CHCL3	> 19400.000
CL	4210000.000
CL6CP	<0.830
CLC6H5	<0.580
CLDAN	<1.520
CPMS	108.000
CPMSO	18.300
CPMSO2	958.000
CR	74.600
CU	10.500
DBCP	<0.130
DCPD	437.000
DIMP	908.000
DITH	54.800
DLDRN	<0.550
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.600
ETC6H5	2.140
FL	9010.000
HG	<0.359
ISODR	<0.560
K	23000.000
MEC6H5	4.570
MG	225000.000
MIBK	<12.900
MXYLEN	<1.350
NA	1760000.000
NIT	537.000
OXAT	17.500
PB	<18.600
PPDDE	<0.460
PPDDT	<0.590
SO4	1190000.000
T12DCE	<1.200
TCLEE	57.900
TRCLE	11.100
XYLEN	3.230
ZN	52.000

WELL [illegible]180
AQUIFER: DENVER
SCREENED INT.: 65.0- 70.0
BEDROCK DEPTH: 42.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	.
BTZ	<1.140
C6H6	2.140
CA	.
CCL4	<2.400
CD	.
CH2CL2	<5.000
CHCL3	<1.400
CL	73300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<1.210
MG	.
MIBK	<12.900
MXYLEN	<1.350
NA	.
NIT	1960.000
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	576000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	.

WELL 23181
AQUIFER: DENVER
SCREENED INT.: 85.0- 95.0
BEDROCK DEPTH: 42.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	1.780
CA	45300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	63800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2270.000
MEC6H5	<1.210
MG	2050.000
MIBK	<12.900
MXYLEN	<1.350
NA	263000.000
NIT	3940.000
OXAT	<1.350
PB	40.700
PPDDE	<0.046
PPDDT	<0.059
SO4	539000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	534.000

WELL 23182
AQUIFER: DENVER
SCREENED INT.: 28.0- 48.0
BEDROCK DEPTH: 18.0
BEDROCK LITH.: ST
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	366000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	670000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	22.300
CU	11.200
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	3100.000
HG	<0.359
ISODR	<0.056
K	8640.000
MEC6H5	<1.210
MG	79700.000
MIBK	<12.900
MXYLEN	<1.350
NA	1080000.000
NIT	13600.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	2590000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 23183
AQUIFER: DENVER
SCREENED INT.: 85.0- 95.0
BEDROCK DEPTH: 18.0
BEDROCK LITH.: ST
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	93700.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	483000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1300.000
HG	<0.359
ISODR	<0.056
K	3270.000
MEC6H5	<1.210
MG	3480.000
MIBK	<12.900
MXYLEN	<1.350
NA	655000.000
NIT	125.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	868000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 184
AQUIFER: DENVER
SCREENED INT.: 112.0-117.0
BEDROCK DEPTH: 18.0
BEDROCK LITH.: ST
SCREENED ZONE: 5

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.117
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	38200.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	586000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<21.600
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1640.000
HG	<0.359
ISODR	<0.056
K	1790.000
MEC6H5	<1.210
MG	841.000
MIBK	<12.900
MXYLEN	<1.350
NA	376000.000
NIT	195.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	255000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 23185
AQUIFER: DENVER
SCREENED INT.: 37.5- 42.5
BEDROCK DEPTH: 34.0
BEDROCK LITH.: SH
SCREENED ZONE: 1 SH

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	.
BTZ	<1.140
C6H6	<1.340
CA	669000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	1480000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	32.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	5060.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	3410.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<1.210
MG	78100.000
MIBK	<12.900
MXYLEN	<1.350
NA	914000.000
NIT	2560.000
OXAT	1.790
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1890000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	72.900

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23186
AQUIFER: DENVER
SCREENED INT.: 74.0- 89.0
BEDROCK DEPTH: 34.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	343000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	233000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	31.300
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1550.000
HG	<0.359
ISODR	<0.056
K	6390.000
MEC6H5	<1.210
MG	25000.000
MIBK	<12.900
MXYLEN	<1.350
NA	675000.000
NIT	1610.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1770000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	131.000

WELL 23187
AQUIFER: DENVER
SCREENED INT.: 116.5-131.5
BEDROCK DEPTH: 34.0
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	5.550
CA	125000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	398000.000
CL6CP	<0.169
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1260.000
HG	<0.359
ISODR	<0.056
K	4770.000
MEC6H5	<1.210
MG	3280.000
MIBK	<12.900
MXYLEN	<1.350
NA	509000.000
NIT	61.200
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	871000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	50.800

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

'ELL 188
AQUIFER: ALLUVIUM
SCREENED INT.: 37.5- 47.5
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	2.600
ALDRN	<0.332
AS	5.820
BTZ	<1.140
C6H6	<1.340
CA	511000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	2020000.000
CL6CP	<0.332
CLC6H5	<0.580
CLDAN	<0.608
CPMS	<1.080
CPMSO	<1.980
CPMSO2	252.000
CR	70.700
CU	<7.940
DBCP	<0.130
DCPD	18.800
DIMP	1140.000
DITH	42.700
DLDRN	0.372
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.240
ETC6H5	<1.280
FL	3640.000
HG	<0.359
ISODR	<0.224
K	13100.000
MEC6H5	<1.210
MG	234000.000
MIBK	<12.900
MXYLEN	<1.350
NA	898000.000
NIT	204.000
OXAT	8.390
PB	<18.600
PPDDE	<0.184
PPDDT	<0.236
SO4	856000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	5.840
XYLEN	<2.470
ZN	35.100

WELL 23189
AQUIFER: DENVER
SCREENED INT.: 57.5- 67.5
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	145000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	90000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3860.000
MEC6H5	<1.210
MG	9540.000
MIBK	<12.900
MXYLEN	<1.350
NA	408000.000
NIT	28.[illegible]
OXAT	<1.35
PB	<18.6[illegible]
PPDDE	<0.[illegible]
PPDDT	<0.059
SO4	1160000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.1[illegible]
XYLEN	<2.470
ZN	34.300

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23190
AQUIFER: DENVER
SCREENED INT.: 102.5-107.5
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	24.600
CA	88800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	93100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1310.000
HG	<0.359
ISODR	<0.056
K	4160.000
MEC6H5	<1.210
MG	2740.000
MIBK	<12.900
MXYLEN	<1.350
NA	378000.000
NIT	2660.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	824000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	26.300

WELL 23191
AQUIFER: ALLUVIUM
SCREENED INT.: 45.0- 55.0
BEDROCK DEPTH: 54.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.249
AS	3.940
BTZ	<1.140
C6H6	<1.340
CA	135000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	1060000.000
CL6CP	<0.249
CLC6H5	<0.580
CLDAN	<0.456
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<112.000
CR	15.500
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	395.000
DITH	13.000
DLDRN	0.230
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.180
ETC6H5	<1.280
FL	2210.000
HG	<0.359
ISODR	<0.168
K	7960.000
MEC6H5	<1.210
MG	60000.000
MIBK	<12.900
MXYLEN	<1.350
NA	714000.000
NIT	6020.000
OXAT	4.210
PB	<18.600
PPDDE	<0.138
PPDDT	<0.177
SO4	413000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	35.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 192
AQUIFER: DENVER
SCREENED INT.: 106.0-116.0
BEDROCK DEPTH: 54.0
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.249
AS	<2.500
BTZ	<1.140
C6H6	14.600
CA	246000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	340000.000
CL6CP	<0.249
CLC6H5	<0.580
CLDAN	<0.456
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.165
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.180
ETC6H5	<1.280
FL	1360.000
HG	<0.359
ISODR	<0.168
K	6380.000
MEC6H5	<1.210
MG	7520.000
MIBK	<12.900
MXYLEN	<1.350
NA	621000.000
NIT	136.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.138
PPDDT	<0.177
SO4	1290000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	22.700

WELL 23193
AQUIFER: DENVER
SCREENED INT.: 164.0-169.0
BEDROCK DEPTH: 54.0
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	34300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	442000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	13.200
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	1.680
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1830.000
HG	<0.359
ISODR	<0.056
K	2650.000
MEC6H5	<1.210
MG	598.000
MIBK	<12.900
MXYLEN	<1.350
NA	289000.000
NIT	20000.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	82200.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 23196
AQUIFER: ALLUVIUM
SCREENED INT.: 12.0- 22.0
BEDROCK DEPTH: 18.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	632000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	11.900
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	4170.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1750000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23197
AQUIFER: ALLUVIUM
SCREENED INT.: 13.0- 23.0
BEDROCK DEPTH: 19.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	<1.880
CL	383000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	17.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3850.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1520000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 198
AQUIFER: ALLUVIUM
SCREENED INT.: 15.0- 20.0
BEDROCK DEPTH: 22.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	250000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	648.000
DITH	<1.590
DLDRN	0.075
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3260.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	491000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23200
AQUIFER: DENVER
SCREENED INT.: 73.5- 78.5
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	93100.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1070.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	309000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23201
AQUIFER: DENVER
SCREENED INT.: 84.5-104.5
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	95200.000
CL6CP	<0.083
CLC6H5	8.390
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1020.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	337000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23202
AQUIFER: DENVER
SCREENED INT.: 20.0- 25.0
BEDROCK DEPTH: 16.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	6.780
CL	447000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0 130
DCPD	<9.310
DIMP	322.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3060.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1370000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

ELL 203
AQUIFER: DENVER
SCREENED INT.: 27.0- 32.0
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	2.620
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	<1.880
CL	404000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	12.900
CPMSO2	3.280
CR	.
CU	.
DBCP	<0.130
DCPD	96.400
DIMP	387.000
DITH	3.640
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	0.115
ETC6H5	<0.620
FL	2010.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	2.370
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	860000.000
T12DCE	<1.750
TCLEE	3.860
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23204
AQUIFER: DENVER
SCREENED INT.: 29.0- 34.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	2.750
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	24.500
CL	262000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	7.230
CPMSO	47.300
CPMSO2	13.500
CR	.
CU	.
DBCP	1.120
DCPD	49.900
DIMP	304.000
DITH	3.160
DLDRN	0.189
DMDS	<1.160
DMMP	<152.000
ENDRN	0.122
ETC6H5	<0.620
FL	<10000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.35[illegible]
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1190000.000
T12DCE	<1.750
TCLEE	22.100
TRCLE	1.59[illegible]
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23205
AQUIFER: ALLUVIUM
SCREENED INT.: 10.0- 15.0
BEDROCK DEPTH: 15.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

WELL 23208
AQUIFER: ALLUVIUM
SCREENED INT.: 14.0- 19.0
BEDROCK DEPTH: 19.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION (WELL 23205)	COMPOUND	CONCENTRATION (WELL 23208)
111TCE	<1.090	111TCE	<1.090
112TCE	<1.630	112TCE	<1.630
11DCE	<1.850	11DCE	<1.850
11DCLE	<1.930	11DCLE	<1.930
12DCLE	<2.070	12DCLE	<2.070
ALDRN	<0.083	ALDRN	<0.083
AS	<2.500	AS	3.860
BTZ	<1.140	BTZ	<1.140
C6H6	<1.920	C6H6	<1.920
CA	.	CA	.
CCL4	<1.690	CCL4	<1.690
CD	.	CD	.
CH2CL2	<2.480	CH2CL2	<2.480
CHCL3	<1.880	CHCL3	<1.880
CL	3000.000	CL	320000.000
CL6CP	<0.083	CL6CP	<0.083
CLC6H5	<1.360	CLC6H5	<1.360
CLDAN	<0.152	CLDAN	<0.152
CPMS	<1.080	CPMS	<1.080
CPMSO	2.750	CPMSO	<1.980
CPMSO2	<2.240	CPMSO2	<2.240
CR	.	CR	.
CU	.	CU	.
DBCP	<0.130	DBCP	<0.130
DCPD	<9.310	DCPD	<9.310
DIMP	74.400	DIMP	<10.500
DITH	<1.590	DITH	<1.590
DLDRN	0.073	DLDRN	0.103
DMDS	<1.160	DMDS	<1.160
DMMP	<30.400	DMMP	<15.200
ENDRN	<0.060	ENDRN	<0.060
ETC6H5	<0.620	ETC6H5	<0.620
FL	4360.000	FL	4330.000
HG	.	HG	.
ISODR	<0.056	ISODR	<0.056
K	.	K	.
MEC6H5	<2.100	MEC6H5	<2.100
MG	.	MG	.
MIBK	<12.900	MIBK	<12.900
MXYLEN	<1.040	MXYLEN	<1.040
NA	.	NA	.
NIT	.	NIT	.
OXAT	<1.350	OXAT	<1.350
PB	.	PB	.
PPDDE	<0.046	PPDDE	<0.046
PPDDT	<0.059	PPDDT	<0.059
SO4	1400000.000	SO4	349000.000
T12DCE	<1.750	T12DCE	<1.750
TCLEE	<2.760	TCLEE	<2.760
TRCLE	<1.310	TRCLE	<1.310
XYLEN	<1.340	XYLEN	<1.340
ZN	.	ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 209
AQUIFER: DENVER
SCREENED INT.: 70.0- 80.0
BEDROCK DEPTH: 19.5
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	73600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	60400.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	.
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3560.000
MEC6H5	<1.210
MG	5230.000
MIBK	.
MXYLEN	<1.350
NA	280000.000
NIT	66.700
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	290000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	33.100

WELL 23211
AQUIFER: ALLUVIUM
SCREENED INT.: 20.5- 30.5
BEDROCK DEPTH: 25.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	3.660
BTZ	<1.140
C6H6	3.350
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	333000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.415
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	4110.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	2.040
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	260000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23218
AQUIFER: DENVER
SCREENED INT.: 47.3- 58.0
BEDROCK DEPTH: 22.0
BEDROCK LITH.:
SCREENED ZONE: 2

WELL 23219
AQUIFER: DENVER
SCREENED INT.: 63.3- 74.0
BEDROCK DEPTH: 22.0
BEDROCK LITH.:
SCREENED ZONE: 3

COMPOUND	CONCENTRATION (WELL 23218)	CONCENTRATION (WELL 23219)
111TCE	<1.090	<1.090
112TCE	<1.630	<1.630
11DCE	<1.850	<1.850
11DCLE	<1.930	<1.930
12DCLE	<2.070	<2.070
ALDRN	<0.083	<0.083
AS	<2.500	<2.500
BTZ	<1.140	<1.140
C6H6	12.200	3.300
CA	.	.
CCL4	<1.690	<1.690
CD	.	.
CH2CL2	.	.
CHCL3	4.500	<1.880
CL	53800.000	80100.000
CL6CP	<0.083	<0.083
CLC6H5	48.900	16.900
CLDAN	<0.152	<0.152
CPMS	<1.080	<1.080
CPMSO	<1.980	<1.980
CPMSO2	<2.230	<2.230
CR	.	.
CU	.	.
DBCP	0.370	<0.130
DCPD	<9.310	<9.310
DIMP	<10.500	<10.500
DITH	<3.340	<3.340
DLDRN	<0.054	<0.054
DMDS	<1.160	<1.160
DMMP	<15.200	<15.200
ENDRN	0.058	<0.060
ETC6H5	<0.620	<0.620
FL	<1000.000	<1000.000
HG	.	.
ISODR	<0.056	<0.056
K	.	.
MEC6H5	<2.100	<2.100
MG	.	.
MIBK	<12.900	<12.900
MXYLEN	<1.040	<1.040
NA	.	.
NIT	.	.
OXAT	<1.350	<1.350
PB	.	.
PPDDE	<0.046	<0.046
PPDDT	<0.059	<0.059
SO4	548000.000	415000.000
T12DCE	<1.750	<1.750
TCLEE	<2.760	<2.760
TRCLE	4.430	1.330
XYLEN	<1.340	<1.340
ZN	.	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

'ELL .003
AQUIFER: ALLUVIUM
SCREENED INT.: 7.0- 22.0
BEDROCK DEPTH: 22.1
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	88600.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	2.830
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1600.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	317000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24008
AQUIFER: ALLUVIUM
SCREENED INT.: 41.0- 44.0
BEDROCK DEPTH: 44.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	3.250
CD	.
CH2CL2	<2.480
CHCL3	23.100
CL	110000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	3.780
CPMSO	32.300
CPMSO2	4.380
CR	.
CU	.
DBCP	1.960
DCPD	<9.310
DIMP	56.400
DITH	<1.590
DLDRN	1.200
DMDS	<1.160
DMMP	<15.200
ENDRN	0.824
ETC6H5	<0.620
FL	2640.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	802000.000
T12DCE	<1.750
TCLEE	12.400
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24013
AQUIFER: ALLUVIUM
SCREENED INT.: 13.7- 23.7
BEDROCK DEPTH: 23.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	3.120
CL	99300.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	1.230
CPMSO	9.940
CPMSO2	<2.240
CR	.
CU	.
DBCP	0.282
DCPD	<9.310
DIMP	75.100
DITH	<1.590
DLDRN	0.266
DMDS	<1.160
DMMP	<15.200
ENDRN	0.191
ETC6H5	<0.620
FL	2630.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	509000.000
T12DCE	<1.750
TCLEE	3.120
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24024
AQUIFER: ALLUVIUM
SCREENED INT.: 16.0- 21.0
BEDROCK DEPTH: 23.1
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	7.450
CL	123000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	4.580
CPMSO	34.600
CPMSO2	6.130
CR	.
CU	.
DBCP	2.030
DCPD	<9.310
DIMP	120.000
DITH	<1.590
DLDRN	0.431
DMDS	<1.160
DMMP	<15.200
ENDRN	0.310
ETC6H5	<0.620
FL	2460.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	630000.000
T12DCE	<1.750
TCLEE	18.400
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 027
AQUIFER: ALLUVIUM
SCREENED INT.: 28.1- 32.1
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	89800.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	42.200
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	1770.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	434000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24049
AQUIFER: ALLUVIUM
SCREENED INT.: 44.2- 48.2
BEDROCK DEPTH: 50.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	3.640
C6H6	4.670
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	263.000
CL	298000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	0.306
CPMS	51.000
CPMSO	122.000
CPMSO2	60.800
CR	.
CU	.
DBCP	5.380
DCPD	135.000
DIMP	392.000
DITH	6.060
DLDRN	1.860
DMDS	<1.160
DMMP	<15.200
ENDRN	1.260
ETC6H5	<0.620
FL	2620.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	1.920
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	582000.000
T12DCE	<1.750
TCLEE	<123.000
TRCLE	3.380
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24063
AQUIFER: DENVER
SCREENED INT.: 33.5- 37.5
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SH
SCREENED ZONE: 2 SH

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	4.060
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	74800.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	11.900
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	1200.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	307000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24081
AQUIFER: ALLUVIUM
SCREENED INT.: 31.1- 47.1
BEDROCK DEPTH: 35.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	2.280
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	16.800
CL	178000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	448.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2050.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	572000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 086
AQUIFER: DENVER
SCREENED INT.: 33.9- 49.9
BEDROCK DEPTH: 22.4
BEDROCK LITH.: SS
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	142000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	169000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1470.000
HG	<0.359
ISODR	<0.056
K	1930.000
MEC6H5	<1.210
MG	47000.000
MIBK	<12.900
MXYLEN	<1.350
NA	193000.000
NIT	849.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	465000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 24089
AQUIFER: DENVER
SCREENED INT.: 30.2- 39.3
BEDROCK DEPTH: 17.5
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	139000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	26.500
CL	101000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1280.000
HG	<0.359
ISODR	<0.056
K	2740.000
MEC6H5	<1.210
MG	34400.000
MIBK	<12.900
MXYLEN	<1.350
NA	134000.000
NIT	3100.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	411000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24092
AQUIFER: ALLUVIUM
SCREENED INT.: 35.0- 45.0
BEDROCK DEPTH: 47.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	165000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	89900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	29.600
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1860.000
HG	<0.359
ISODR	<0.056
K	5270.000
MEC6H5	<1.210
MG	81100.000
MIBK	<12.900
MXYLEN	<1.350
NA	215000.000
NIT	2540.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1040000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	21.600

WELL 24094
AQUIFER: ALLUVIUM
SCREENED INT.: 28.3- 40.3
BEDROCK DEPTH: 36.8
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	105000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	1400.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	357000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

ELL 01
AQUIFER: ALLUVIUM
SCREENED INT.: 27.0- 35.0
BEDROCK DEPTH: 32.3
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	1.550
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	1.410
C6H6	<1.920
CA	.
CCL4	5.290
CD	.
CH2CL2	<2.480
CHCL3	893.000
CL	178000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	9.800
CPMSO	68.800
CPMSO2	13.100
CR	.
CU	.
DBCP	5.120
DCPD	18.600
DIMP	157.000
DITH	1.860
DLDRN	1.060
DMDS	<1.160
DMMP	<30.400
ENDRN	1.330
ETC6H5	<0.620
FL	2540.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	735000.000
T12DCE	<1.750
TCLEE	40.100
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24106
AQUIFER: ALLUVIUM
SCREENED INT.: 12.0- 20.0
BEDROCK DEPTH: 16.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	85100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	97000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	3.900
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1690.000
HG	<0.359
ISODR	<0.056
K	2480.000
MEC6H5	<1.210
MG	31300.000
MIBK	<12.9[illegible]
MXYLEN	<1.35[illegible]
NA	167[illegible]
NIT	281.[illegible]
OXAT	<1.35[illegible]
PB	<18.6[illegible]
PPDDE	<0.[illegible]
PPDDT	<0.059
SO4	3380[illegible]
T12DCE	<1.[illegible]
TCLEE	<1.30[illegible]
TRCLE	<1.10[illegible]
XYLEN	<2.47[illegible]
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24107
AQUIFER: ALLUVIUM
SCREENED INT.: 27.0- 35.0
BEDROCK DEPTH: 34.6
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	421000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	293000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	25.800
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2750.000
HG	<0.359
ISODR	<0.056
K	3620.000
MEC6H5	<1.210
MG	117000.000
MIBK	<12.900
MXYLEN	<1.350
NA	742000.000
NIT	2040.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	2620000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	92.800

WELL 24108
AQUIFER: DENVER
SCREENED INT.: 31.9- 39.9
BEDROCK DEPTH: 22.5
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	125000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3160.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1140000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 109
AQUIFER: DENVER
SCREENED INT.: 47.0- 55.0
BEDROCK DEPTH: 12.8
BEDROCK LITH.: SH
SCREENED ZONE: 2 SH

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	34900.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	3180.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	2710000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24111
AQUIFER: ALLUVIUM
SCREENED INT.: 18.0- 30.0
BEDROCK DEPTH: 22.7
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	120000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	1.580
CL	162000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	224.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1590.000
HG	<0.359
ISODR	<0.056
K	2340.000
MEC6H5	<1.210
MG	40400.000
MIBK	<12.900
MXYLEN	<1.350
NA	223000.000
NIT	15200.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	517000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24112
AQUIFER: ALLUVIUM
SCREENED INT.: 36.6- 50.0
BEDROCK DEPTH: 37.6
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	143000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	7.650
CL	121000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3460.000
MEC6H5	<1.210
MG	36800.000
MIBK	<12.900
MXYLEN	<1.350
NA	153000.000
NIT	1620.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	411000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 24113
AQUIFER: ALLUVIUM
SCREENED INT.: 37.0- 45.0
BEDROCK DEPTH: 42.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	97000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	45700.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	13.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3870.000
MEC6H5	<1.210
MG	32500.000
MIBK	<12.900
MXYLEN	<1.350
NA	145000.000
NIT	1660.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	119000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 115
AQUIFER: ALLUVIUM
SCREENED INT.: 22.0- 30.0
BEDROCK DEPTH: 28.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	98800.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	0.157
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<30.400
ENDRN	0.064
ETC6H5	<0.620
FL	1180.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	319000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24117
AQUIFER: ALLUVIUM
SCREENED INT.: 12.0- 20.0
BEDROCK DEPTH: 18.8
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	16.800
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	88600.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1210.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	291000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24120

AQUIFER: DENVER
SCREENED INT.: 85.0- 95.0
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SS
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	159000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	209000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<21.600
DIMP	<10.500
DITH	<1.590
DLDRN	0.125
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1200.000
HG	<0.359
ISODR	<0.056
K	4150.000
MEC6H5	<1.210
MG	23400.000
MIBK	<12.900
MXYLEN	<1.350
NA	469000.000
NIT	389.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	812000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	35.200

WELL 24124

AQUIFER: DENVER
SCREENED INT.: 32.6- 40.6
BEDROCK DEPTH: 12.5
BEDROCK LITH.: SS
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	55000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	50900.000
CL6CP	<0.169
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1870.000
HG	<0.359
ISODR	<0.056
K	<520.000
MEC6H5	<1.210
MG	38100.000
MIBK	<12.900
MXYLEN	<1.350
NA	211000.000
NIT	6370.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	457000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 127
AQUIFER: DENVER
SCREENED INT.: 30.0- 35.0
BEDROCK DEPTH: 27.4
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	4.250
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	2.150
CA	191000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	104.000
CL	489000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	22.900
CPMSO	92.600
CPMSO2	25.800
CR	<5.960
CU	<7.940
DBCP	3.640
DCPD	169.000
DIMP	676.000
DITH	6.450
DLDRN	1.140
DMDS	<1.160
DMMP	<15.200
ENDRN	0.819
ETC6H5	<1.280
FL	1860.000
HG	<0.359
ISODR	<0.056
K	6660.000
MEC6H5	<1.210
MG	87900.000
MIBK	<12.900
MXYLEN	<1.350
NA	249000.000
NIT	173.000
OXAT	2.090
PB	<18.600
PPDDE	<0.046
PPDDT	> 0.066
SO4	563000.000
T12DCE	<1.200
TCLEE	70.100
TRCLE	12.100
XYLEN	<2.470
ZN	94.000

WELL 24130
AQUIFER: DENVER
SCREENED INT.: 25.0- 30.0
BEDROCK DEPTH: 22.8
BEDROCK LITH.: ST
SCREENED ZONE: 2 SH

COMPOUND	CONCENTRATION
111TCE	<17.000
112TCE	<5.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	121000.000
CCL4	<24.000
CD	<5.160
CH2CL2	<5.000
CHCL3	78.400
CL	116000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	2.300
CPMSO	8.970
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	0.609
DCPD	<9.310
DIMP	107.000
DITH	<1.590
DLDRN	0.221
DMDS	<1.160
DMMP	<15.200
ENDRN	0.225
ETC6H5	<1.280
FL	2480.000
HG	<0.359
ISODR	<0.056
K	3580.000
MEC6H5	<1.210
MG	51500.000
MIBK	<12.900
MXYLEN	<1.350
NA	167000.000
NIT	3380.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	452000.000
T12DCE	<1.200
TCLEE	6.670
TRCLE	<5.500
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24135
AQUIFER: DENVER
SCREENED INT.: 31.0- 35.0
BEDROCK DEPTH: 25.0
BEDROCK LITH.: SS
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	22.000
CL	125000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	3.380
CPMSO	20.600
CPMSO2	3.840
CR	.
CU	.
DBCP	0.841
DCPD	<9.310
DIMP	134.000
DITH	<1.590
DLDRN	0.332
DMDS	<1.160
DMMP	<15.200
ENDRN	0.243
ETC6H5	<0.620
FL	2490.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	710000.000
T12DCE	<1.750
TCLEE	6.380
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24136
AQUIFER: DENVER
SCREENED INT.: 51.0- 64.0
BEDROCK DEPTH: 25.0
BEDROCK LITH.: SS
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	4.260
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	40500.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	990.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	704000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL .37
AQUIFER: DENVER
SCREENED INT.: 81.0-100.0
BEDROCK DEPTH: 25.0
BEDROCK LITH.: SS
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	34500.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	528000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24158
AQUIFER: ALLUVIUM
SCREENED INT.: 9.0- 29.0
BEDROCK DEPTH: 29.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	93800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	120000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1420.000
HG	<0.359
ISODR	<0.056
K	4100.000
MEC6H5	<1.210
MG	42200.000
MIBK	<12.900
MXYLEN	<1.350
NA	152000.000
NIT	1920.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	297000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	107.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24159
AQUIFER: DENVER
SCREENED INT.: 63.0-108.0
BEDROCK DEPTH: 29.0
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.166
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	132000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	43000.000
CL6CP	<0.166
CLC6H5	<0.580
CLDAN	<0.304
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.110
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.120
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.112
K	2750.000
MEC6H5	<1.210
MG	15100.000
MIBK	<12.900
MXYLEN	<1.350
NA	116000.000
NIT	11.500
OXAT	<1.350
PB	<18.600
PPDDE	<0.092
PPDDT	<0.118
SO4	320000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 24161
AQUIFER: ALLUVIUM
SCREENED INT.: 13.0- 18.0
BEDROCK DEPTH: 17.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	1.320
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	4.690
CL	242000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	18.200
CPMSO	43.800
CPMSO2	9.870
CR	.
CU	.
DBCP	0.966
DCPD	24.400
DIMP	> 210.000
DITH	2.430
DLDRN	0.573
DMDS	<1.160
DMMP	<15.200
ENDRN	0.377
ETC6H5	<0.620
FL	2500.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	528000.000
T12DCE	<1.750
TCLEE	22.200
TRCLE	2.790
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 162
AQUIFER: ALLUVIUM
SCREENED INT.: 11.0- 16.0
BEDROCK DEPTH: 17.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	2.380
CL	285000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	3.380
CPMSO	4.960
CPMSO2	3.700
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	157.000
DITH	7.120
DLDRN	0.733
DMDS	<1.160
DMMP	<15.200
ENDRN	0.486
ETC6H5	<0.620
FL	2260.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	2.200
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	417000.000
T12DCE	<1.750
TCLEE	4.390
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24163
AQUIFER: ALLUVIUM
SCREENED INT.: 9.0- 19.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	7.150
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	174000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2290.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	322000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24164
AQUIFER: ALLUVIUM
SCREENED INT.: 9.0- 19.0
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	174000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3230.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	651000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24166
AQUIFER: ALLUVIUM
SCREENED INT.: 16.0- 26.0
BEDROCK DEPTH: 23.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	110000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.117
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1710.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	320000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

''ELL ,67
AQUIFER: DENVER
SCREENED INT.: 43.5- 53.5
BEDROCK DEPTH: 22.5
BEDROCK LITH.: ST
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	2.930
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	31700.000
CL6CP	<0.083
CLC6H5	10.500
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1170.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	763000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.[illegible]10
XYLEN	<1.340
ZN	.

WELL 24168
AQUIFER: DENVER
SCREENED INT.: 73.5- 93.5
BEDROCK DEPTH: 22.5
BEDROCK LITH.: ST
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	4.020
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	44400.000
CL6CP	<0.083
CLC6H5	14.400
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	.
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	.
ENDRN	<0.060
ETC6H5	<0.620
FL	1090.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	428000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24171
AQUIFER: DENVER
SCREENED INT.: 40.0- 50.0
BEDROCK DEPTH: 18.0
BEDROCK LITH.: SS
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	3.420
BTZ	<1.140
C6H6	5.710
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	27800.000
CL6CP	<0.083
CLC6H5	21.600
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.090
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2190.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	141000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24172
AQUIFER: DENVER
SCREENED INT.: 121.5-131.5
BEDROCK DEPTH: 18.0
BEDROCK LITH.: SS
SCREENED ZONE: 5

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	4.680
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	6.870
CL	34300.000
CL6CP	<0.083
CLC6H5	17.400
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	978.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	891000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 4174
AQUIFER: DENVER
SCREENED INT.: 56.5- 61.5
BEDROCK DEPTH: 21.0
BEDROCK LITH.: SS
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	15600.000
CL6CP	<0.083
CLC6H5	9.500
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	.
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	.
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	275000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24175
AQUIFER: DENVER
SCREENED INT.: 90.0- 95.0
BEDROCK DEPTH: 21.0
BEDROCK LITH.: SS
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	4.080
BTZ	<1.140
C6H6	3.980
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	15100.000
CL6CP	<0.083
CLC6H5	16.700
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	913.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	293000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24179 AQUIFER: ALLUVIUM
SCREENED INT.: 14.0- 24.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	6.090
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	101000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	6.200
CPMSO	33.200
CPMSO2	7.150
CR	.
CU	.
DBCP	1.140
DCPD	10.700
DIMP	138.000
DITH	<1.590
DLDRN	1.740
DMDS	<1.160
DMMP	<15.200
ENDRN	1.470
ETC6H5	<0.620
FL	2340.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	457000.000
T12DCE	<1.750
TCLEE	16.700
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24180 AQUIFER: ALLUVIUM
SCREENED INT.: 11.0- 16.0
BEDROCK DEPTH: 16.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<11.500
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	4.290
CD	.
CH2CL2	<2.480
CHCL3	433.000
CL	229000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	4.160
CPMSO	45.600
CPMSO2	5.520
CR	.
CU	.
DBCP	4.180
DCPD	<9.310
DIMP	227.000
DITH	<1.590
DLDRN	0.257
DMDS	<1.160
DMMP	<30.400
ENDRN	0.427
ETC6H5	<0.620
FL	2860.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	940000.000
T12DCE	<1.750
TCLEE	26.800
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 1181
AQUIFER: ALLUVIUM
SCREENED INT.: 17.0- 27.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	3.520
CL	119000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	3.670
CR	.
CU	.
DBCP	0.172
DCPD	<9.310
DIMP	26.400
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1970.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	488000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24182
AQUIFER: ALLUVIUM
SCREENED INT.: 16.0- 26.0
BEDROCK DEPTH: 22.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	103000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	8.710
CR	.
CU	.
DBCP	0.847
DCPD	<9.310
DIMP	20.900
DITH	<1.590
DLDRN	0.220
DMDS	<1.160
DMMP	<15.200
ENDRN	0.076
ETC6H5	<0.620
FL	1480.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	367000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL		WELL	
24183	AQUIFER: ALLUVIUM SCREENED INT.: 11.0- 21.0 BEDROCK DEPTH: 21.0 BEDROCK LITH.: ST SCREENED ZONE: ALLUVIUM	24184	AQUIFER: DENVER SCREENED INT.: 18.0- 23.0 BEDROCK DEPTH: 16.9 BEDROCK LITH.: SS SCREENED ZONE: 2

COMPOUND	CONCENTRATION	COMPOUND	CONCENTRATION
111TCE	<1.090	111TCE	<1.090
112TCE	<1.630	112TCE	<1.630
11DCE	<1.850	11DCE	<1.850
11DCLE	<1.930	11DCLE	<1.930
12DCLE	<2.070	12DCLE	<2.070
ALDRN	<0.083	ALDRN	<0.083
AS	<2.500	AS	<2.500
BTZ	<1.140	BTZ	<1.140
C6H6	<1.920	C6H6	<1.920
CA	.	CA	.
CCL4	<1.690	CCL4	<1.690
CD	.	CD	.
CH2CL2	<2.480	CH2CL2	<2.480
CHCL3	<1.880	CHCL3	2.110
CL	203000.000	CL	71400.000
CL6CP	<0.083	CL6CP	<0.083
CLC6H5	<1.360	CLC6H5	<1.360
CLDAN	<0.152	CLDAN	<0.152
CPMS	<1.080	CPMS	<1.080
CPMSO	<1.980	CPMSO	<1.980
CPMSO2	3.690	CPMSO2	<2.240
CR	.	CR	.
CU	.	CU	.
DBCP	<0.130	DBCP	<0.130
DCPD	<9.310	DCPD	<9.310
DIMP	<1[illegible]500	DIMP	18.500
DITH	<1.590	DITH	<1.590
DLDRN	<0.054	DLDRN	<0.054
DMDS	<1.160	DMDS	<1.160
DMMP	<30.400	DMMP	<15.200
ENDRN	<0.060	ENDRN	<0.060
ETC6H5	<0.620	ETC6H5	<0.620
FL	2630.000	FL	2220.000
HG	.	HG	.
ISODR	<0.056	ISODR	<0.056
K	.	K	.
MEC6H5	<2.100	MEC6H5	<2.100
MG	.	MG	.
MIBK	<12.900	MIBK	<12.900
MXYLEN	<1.040	MXYLEN	<1.040
NA	.	NA	.
NIT	.	NIT	.
OXAT	<1.350	OXAT	<1.350
PB	.	PB	.
PPDDE	<0.046	PPDDE	<0.046
PPDDT	<0.059	PPDDT	<0.059
SO4	1370000.000	SO4	305000.000
T12DCE	<1.750	T12DCE	<1.750
TCLEE	<2.760	TCLEE	<2.760
TRCLE	<1.310	TRCLE	<1.310
XYLEN	<1.340	XYLEN	<1.340
ZN	.	ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY37

WELL 4185
AQUIFER: ALLUVIUM
SCREENED INT.: 15.0- 25.0
BEDROCK DEPTH: 25.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

WELL 24186
AQUIFER: ALLUVIUM
SCREENED INT.: 5.0- 15.0
BEDROCK DEPTH: 12.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION (WELL 4185)	CONCENTRATION (WELL 24186)
111TCE	<1.090	13.900
112TCE	<1.630	<1.630
11DCE	<1.850	<1.850
11DCLE	<1.930	<1.930
12DCLE	<2.070	<2.070
ALDRN	<0.083	<0.083
AS	<2.500	<2.500
BTZ	<1.140	<1.140
C6H6	<1.920	<1.920
CA	.	.
CCL4	<1.690	<1.690
CD	.	.
CH2CL2	<2.480	<2.480
CHCL3	<1.880	2.540
CL	83900.000	89200.000
CL6CP	<0.083	<0.083
CLC6H5	<1.360	<1.360
CLDAN	<0.152	<0.152
CPMS	<1.080	<1.080
CPMSO	<1.980	<1.980
CPMSO2	<2.240	<2.240
CR	.	.
CU	.	.
DBCP	<0.130	<0.130
DCPD	<9.310	<9.310
DIMP	<10.500	<10.500
DITH	<1.590	<1.590
DLDRN	0.299	0.159
DMDS	<1.160	<1.160
DMMP	<15.200	<30.400
ENDRN	0.082	0.086
ETC6H5	<0.620	<0.620
FL	1120.000	1270.000
HG	.	.
ISODR	<0.056	<0.056
K	.	.
MEC6H5	<2.100	<2.100
MG	.	.
MIBK	<12.900	<12.900
MXYLEN	<1.040	<1.040
NA	.	.
NIT	.	.
OXAT	<1.350	<1.350
PB	.	.
PPDDE	<0.046	<0.046
PPDDT	<0.059	<0.059
SO4	297000.000	252000.000
T12DCE	<1.750	<1.750
TCLEE	<2.760	<2.760
TRCLE	<1.310	<1.310
XYLEN	<1.340	<1.340
ZN	.	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24187
AQUIFER: ALLUVIUM
SCREENED INT.: 8.0- 18.0
BEDROCK DEPTH: 17.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	88700.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	4.410
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1800.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	440000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24188
AQUIFER: ALLUVIUM
SCREENED INT.: 7.0- 17.0
BEDROCK DEPTH: 34.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	269000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	3.360
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	2880.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1430000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 1191
AQUIFER: DENVER
SCREENED INT.: 33.1- 44.0
BEDROCK DEPTH: 17.0
BEDROCK LITH.:
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	80100.000
CL6CP	<0.083
CLC6H5	12.800
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.230
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	525000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 25009
AQUIFER: DENVER
SCREENED INT.: 70.0-105.0
BEDROCK DEPTH: 34.0
BEDROCK LITH.: SS
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	80400.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	27500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	5380.000
MEC6H5	<1.210
MG	3660.000
MIBK	<12.900
MXYLEN	<1.350
NA	169000.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	421000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 25011 AQUIFER: ALLUVIUM
SCREENED INT.: 10.0- 45.0
BEDROCK DEPTH: 11.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	136000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	145000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	12.200
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1190.000
HG	<0.359
ISODR	<0.056
K	3270.000
MEC6H5	<1.210
MG	56500.000
MIBK	<12.900
MXYLEN	<1.350
NA	186000.000
NIT	5490.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	455000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 25013 AQUIFER: DENVER
SCREENED INT.: 80.0- 95.0
BEDROCK DEPTH: 11.0
BEDROCK LITH.: SS
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	30800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	12100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	1430.000
MEC6H5	<1.210
MG	1280.000
MIBK	<12.900
MXYLEN	<1.350
NA	145000.000
NIT	69.200
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	237000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	22.300

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 5014
AQUIFER: DENVER
SCREENED INT.: 54.0- 64.0
BEDROCK DEPTH: 11.0
BEDROCK LITH.: SS
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	5260.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	24300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2370.000
HG	<0.359
ISODR	<0.056
K	745.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	103000.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	79700.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 25015
AQUIFER: ALLUVIUM
SCREENED INT.: 31.0- 41.0
BEDROCK DEPTH: 39.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	245000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	52000.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1310.000
HG	<0.359
ISODR	<0.056
K	5380.000
MEC6H5	<1.210
MG	43500.000
MIBK	<12.900
MXYLEN	<1.350
NA	370000.000
NIT	2120.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1290000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	73.700

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 25016
AQUIFER: DENVER
SCREENED INT.: 57.0- 63.5
BEDROCK DEPTH: 39.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	355000.000
CCL4	<2.400
CD	6.640
CH2CL2	<5.000
CHCL3	<1.400
CL	17800.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	12.700
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1290.000
HG	<0.359
ISODR	<0.056
K	5750.000
MEC6H5	<1.210
MG	38500.000
MIBK	<12.900
MXYLEN	<1.350
NA	464000.000
NIT	151.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1580000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	44.400

WELL 25017
AQUIFER: DENVER
SCREENED INT.: 72.0- 78.0
BEDROCK DEPTH: 39.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	88400.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	19300.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4490.000
MEC6H5	<1.210
MG	4640.000
MIBK	<12.900
MXYLEN	<1.350
NA	282000.000
NIT	172.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	779000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 5018
AQUIFER: ALLUVIUM
SCREENED INT.: 23.0- 43.0
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

WELL 25021
AQUIFER: DENVER
SCREENED INT.: 122.0-142.0
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION	COMPOUND	CONCENTRATION
111TCE	<1.700	111TCE	<1.700
112TCE	<1.000	112TCE	<1.000
11DCE	<1.100	11DCE	<1.100
11DCLE	<1.200	11DCLE	<1.200
12DCLE	<0.610	12DCLE	<0.610
ALDRN	<0.083	ALDRN	<0.083
AS	<2.500	AS	<2.500
BTZ	<1.140	BTZ	<1.140
C6H6	<1.340	C6H6	<1.340
CA	138000.000	CA	15400.000
CCL4	<2.400	CCL4	<2.400
CD	<5.160	CD	<5.160
CH2CL2	<5.000	CH2CL2	<5.000
CHCL3	<1.400	CHCL3	<1.400
CL	146000.000	CL	215000.000
CL6CP	<0.083	CL6CP	<0.083
CLC6H5	<0.580	CLC6H5	<0.580
CLDAN	<0.152	CLDAN	<0.152
CPMS	<1.080	CPMS	<1.080
CPMSO	<1.980	CPMSO	<1.980
CPMSO2	<2.240	CPMSO2	<2.240
CR	<5.960	CR	<5.960
CU	<7.940	CU	<7.940
DBCP	<0.130	DBCP	<0.130
DCPD	<9.310	DCPD	<9.310
DIMP	212.000	DIMP	<10.500
DITH	<1.590	DITH	<1.590
DLDRN	<0.054	DLDRN	<0.054
DMDS	<1.160	DMDS	<1.160
DMMP	<15.200	DMMP	<15.200
ENDRN	<0.060	ENDRN	<0.060
ETC6H5	<1.280	ETC6H5	<1.280
FL	1460.000	FL	1310.000
HG	<0.359	HG	<0.359
ISODR	<0.056	ISODR	<0.056
K	3040.000	K	814.000
MEC6H5	<1.210	MEC6H5	<1.210
MG	46700.000	MG	<500.000
MIBK	<12.900	MIBK	<12.900
MXYLEN	<1.350	MXYLEN	<1.350
NA	207000.000	NA	193000.000
NIT	1910.000	NIT	10.800
OXAT	<1.350	OXAT	<1.350
PB	<18.600	PB	<18.600
PPDDE	<0.046	PPDDE	<0.046
PPDDT	<0.059	PPDDT	<0.059
SO4	480000.000	SO4	116000.000
T12DCE	<1.200	T12DCE	<1.200
TCLEE	<1.300	TCLEE	<1.300
TRCLE	<1.100	TRCLE	<1.100
XYLEN	<2.470	XYLEN	<2.470
ZN	<20.100	ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 25022
AQUIFER: ALLUVIUM
SCREENED INT.: 40.0- 50.0
BEDROCK DEPTH: 48.0
BEDROCK LITH.: LG
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	92300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	31300.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.085
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2300.000
HG	<0.359
ISODR	<0.056
K	3020.000
MEC6H5	<1.210
MG	36200.000
MIBK	<12.900
MXYLEN	<1.350
NA	110000.000
NIT	2810.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	405000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	21.300

WELL 25023
AQUIFER: DENVER
SCREENED INT.: 60.0- 65.0
BEDROCK DEPTH: 48.0
BEDROCK LITH.: LG
SCREENED ZONE: AL

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	37100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	16100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1310.000
HG	<0.359
ISODR	<0.056
K	2210.000
MEC6H5	<1.210
MG	12000.000
MIBK	<12.900
MXYLEN	<1.350
NA	80100.000
NIT	806.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	152000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	27.500

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 5038
AQUIFER: ALLUVIUM
SCREENED INT.: 17.0- 27.0
BEDROCK DEPTH: 28.3
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	98500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	68400.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3680.000
MEC6H5	<1.210
MG	29000.000
MIBK	<12.900
MXYLEN	<1.350
NA	105000.000
NIT	2320.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	254000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	53.200

WELL 25039
AQUIFER: DENVER
SCREENED INT.: 48.0- 73.0
BEDROCK DEPTH: 28.3
BEDROCK LITH.: SH
SCREENED ZONE: U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	143000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	22500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<16.200
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2660.000
MEC6H5	<1.210
MG	12500.000
MIBK	<12.900
MXYLEN	<1.350
NA	237000.000
NIT	79.200
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	682000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	23.200

WELL 26006
AQUIFER: ALLUVIUM
SCREENED INT.: 29.0- 35.0
BEDROCK DEPTH: 35.2
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	9.900
ALDRN	<0.083
AS	27.700
BTZ	1.370
C6H6	<1.340
CA	197000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	1.540
CL	733000.000
CL6CP	<0.211
CLC6H5	9.140
CLDAN	<0.152
CPMS	1.840
CPMSO	8.780
CPMSO2	840.000
CR	15.200
CU	<7.940
DBCP	0.397
DCPD	<9.310
DIMP	1040.000
DITH	144.000
DLDRN	1.010
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1930.000
HG	<0.359
ISODR	<0.056
K	5980.000
MEC6H5	<1.210
MG	68900.000
MIBK	<12.900
MXYLEN	<1.350
NA	665000.000
NIT	3420.000
OXAT	18.400
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	923000.000
T12DCE	<1.200
TCLEE	1.780
TRCLE	6.470
XYLEN	<2.470
ZN	33.800

WELL 26011
AQUIFER: ALLUVIUM
SCREENED INT.: 29.0- 43.5
BEDROCK DEPTH: 43.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.117
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	308000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	1300000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	11.200
CR	25.500
CU	<7.940
DBCP	<0.130
DCPD	<21.600
DIMP	16.300
DITH	1.740
DLDRN	0.244
DMDS	<1.160
DMMP	<15.200
ENDRN	0.220
ETC6H5	<1.280
FL	2880.000
HG	<0.359
ISODR	<0.056
K	9400.000
MEC6H5	<1.210
MG	123000.000
MIBK	<12.900
MXYLEN	<1.350
NA	777000.000
NIT	1420.000
OXAT	1.660
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	534000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	73.500

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 6015
AQUIFER: ALLUVIUM
SCREENED INT.: 48.0- 52.0
BEDROCK DEPTH: 48.6
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	13.200
BTZ	<2.000
C6H6	<1.340
CA	202000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	1030000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	84.100
CR	<5.960
CU	12.600
DBCP	<0.130
DCPD	<9.310
DIMP	526.000
DITH	<1.760
DLDRN	<0.060
DMDS	<1.800
DMMP	<76.000
ENDRN	<0.052
ETC6H5	<1.280
FL	2720.000
HG	<0.480
ISODR	<0.060
K	9770.000
MEC6H5	<1.210
MG	70000.000
MIBK	<12.900
MXYLEN	<1.350
NA	729000.000
NIT	298.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	449000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	82.100

WELL 26017
AQUIFER: ALLUVIUM
SCREENED INT.: 43.6- 47.6
BEDROCK DEPTH: 47.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	9.400
BTZ	<2.000
C6H6	<1.340
CA	114000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	547000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	14.600
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	174.000
DITH	3.310
DLDRN	<0.060
DMDS	<1.800
DMMP	<30.400
ENDRN	<0.052
ETC6H5	<1.280
FL	2370.000
HG	<0.480
ISODR	<0.060
K	6780.000
MEC6H5	<1.210
MG	49400.000
MIBK	<12.900
MXYLEN	<1.350
NA	519000.000
NIT	2380.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	314000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	70.300

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26019
AQUIFER: DENVER
SCREENED INT.: 46.6- 50.6
BEDROCK DEPTH: 46.5
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	5.080
BTZ	<1.140
C6H6	<1.340
CA	113000.000
CCL4	<2.400
CD	<5.160
CHCL3	<1.400
CL	559000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	5.810
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	12.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2890.000
HG	<0.359
ISODR	<0.056
K	4740.000
MEC6H5	<1.210
MG	32800.000
MIBK	<12.900
MXYLEN	<1.350
NA	390000.000
NIT	4310.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	329000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	40.900

WELL 26020
AQUIFER: ALLUVIUM
SCREENED INT.: 40.0- 44.0
BEDROCK DEPTH: 43.7
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	.
BTZ	<2.000
C6H6	<1.340
CA	.
CCL4	<2.400
CH2CL2	<5.000
CHCL3	<1.400
CL	.
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	862.000
DITH	3.130
DLDRN	0.137
DMDS	<1.800
DMMP	<152.000
ENDRN	<0.052
ETC6H5	<1.280
FL	.
HG	.
ISODR	<0.060
K	.
MEC6H5	<1.210
MG	.
MIBK	<12.900
MXYLEN	<1.350
NA	.
NIT	.
OXAT	<2.000
PB	.
PPDDE	<0.053
PPDDT	<0.070
SO4	.
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26041
AQUIFER: DENVER
SCREENED INT.: 42.9- 46.9
BEDROCK DEPTH: 42.0
BEDROCK LITH.: SH
SCREENED ZONE: 1 SH

COMPOUND	CONCENTRATION
111TCE	<34.000
112TCE	<20.000
11DCE	<22.000
11DCLE	<24.000
12DCLE	109.000
ALDRN	<0.700
AS	410.000
BTZ	<40.000
C6H6	<26.800
CA	176000.000
CCL4	<48.000
CD	<5.160
CH2CL2	<100.000
CHCL3	<28.000
CL	28200000.000
CL6CP	<0.700
CLC6H5	<11.600
CLDAN	.
CPMS	<56.300
CPMSO	<84.000
CPMSO2	510.000
CR	24.400
CU	<7.940
DBCP	0.747
DCPD	16.600
DIMP	3810.000
DITH	45.500
DLDRN	<0.600
DMDS	8.100
DMMP	19700.000
ENDRN	<0.520
ETC6H5	<25.600
FL	223000.000
HG	<0.686
ISODR	<0.600
K	120000.000
MEC6H5	320.000
MG	699000.000
MIBK	<12.900
MXYLEN	<27.000
NA	3530000.000
NIT	106.000
OXAT	8.560
PB	<18.600
PPDDE	<0.530
PPDDT	<0.700
SO4	8490000.000
T12DCE	<24.000
TCLEE	<26.000
TRCLE	<22.000
XYLEN	<49.400
ZN	70.400

WELL 26057
AQUIFER: DENVER
SCREENED INT.: 46.0- 50.0
BEDROCK DEPTH: 18.3
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	154000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	235000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	127.000
DITH	<1.590
DLDRN	0.097
DMDS	<1.160
DMMP	<15.200
ENDRN	0.062
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	5670.000
MEC6H5	<1.210
MG	28900.000
MIBK	<12.900
MXYLEN	<1.350
NA	391000.000
NIT	11400.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	747000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26058
AQUIFER: DENVER
SCREENED INT.: 82.9- 87.5
BEDROCK DEPTH: 25.0
BEDROCK LITH.: SS
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	26300.000
CCL4	<2.400
CD	.160
CH2CL2	5.000
CHCL3	8.790
CL	58000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	17.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1480.000
HG	<0.359
ISODR	<0.056
K	2020.000
MEC6H5	<1.210
MG	4150.000
MIBK	<12.900
MXYLEN	<1.350
NA	190000.000
NIT	<10.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	269000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 26061
AQUIFER: DENVER
SCREENED INT.: 47.8- 51.2
BEDROCK DEPTH: 27.5
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.415
AS	5.440
BTZ	<1.140
C6H6	<1.340
CA	506000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	29.500
CL	1560000.000
CL6CP	<0.415
CLC6H5	<0.580
CLDAN	<0.760
CPMS	2.350
CPMSO	<1.980
CPMSO2	9.580
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	767.000
DITH	12.600
DLDRN	<0.275
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.300
ETC6H5	<1.280
FL	2420.000
HG	<0.359
ISODR	<0.280
K	4240.000
MEC6H5	<1.210
MG	155000.000
MIBK	<12.900
MXYLEN	<1.350
NA	365000.000
NIT	16.400
OXAT	8.920
PB	<18.600
PPDDE	<0.230
PPDDT	<0.295
SO4	428000.000
T12DCE	<1.200
TCLEE	1.540
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 6066
AQUIFER: DENVER
SCREENED INT.: 49.0- 61.0
BEDROCK DEPTH: 34.0
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	6.760
BTZ	<1.140
C6H6	4.820
CA	1040000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	3200000.000
CL6CP	<0.083
CLC6H5	8.620
CLDAN	<0.152
CPMS	2.500
CPMSO	<1.980
CPMSO2	<2.240
CR	70.700
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	116.000
DITH	263.000
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	3530.000
HG	<0.359
ISODR	<0.056
K	9550.000
MEC6H5	<1.210
MG	276000.000
MIBK	<12.900
MXYLEN	<1.350
NA	615000.000
NIT	108.000
OXAT	49.500
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	689000.000
T12DCE	<1.200
TCLEE	5.700
TRCLE	3.980
XYLEN	<2.470
ZN	<20.100

WELL 26067
AQUIFER: DENVER
SCREENED INT.: 99.0-107.0
BEDROCK DEPTH: 34.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	63600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	166000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	<520.000
MEC6H5	<1.210
MG	2370.000
MIBK	<12.900
MXYLEN	<1.350
NA	332000.000
NIT	<10.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	474000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	28.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26071
AQUIFER: DENVER
SCREENED INT.: 46.0- 54.0
BEDROCK DEPTH: 39.0
BEDROCK LITH.: ST
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	9.370
BTZ	<1.140
C6H6	<1.340
CA	131000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	1.990
CL	519000.000
CL6CP	<0.083
CLC6H5	1.740
CLDAN	<0.152
CPMS	5.980
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	5230.000
DITH	19.800
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1370.000
HG	<0.359
ISODR	<0.056
K	5510.000
MEC6H5	<1.210
MG	39100.000
MIBK	<12.900
MXYLEN	<1.350
NA	458000.000
NIT	<10.000
OXAT	7.640
PB	<18.600
PPDDE	<0.046
PPDDT	<0. 59
SO4	513000.000
T12DCE	<1.200
TCLEE	5.330
TRCLE	<1.100
XYLEN	<2.470
ZN	32.400

WELL 26072
AQUIFER: DENVER
SCREENED INT.: 92.0-104.0
BEDROCK DEPTH: 39.0
BEDROCK LITH.: ST
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	36800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	108000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	1330.000
MEC6H5	<1.210
MG	1720.000
MIBK	<12.900
MXYLEN	<1.350
NA	255000.000
NIT	<10.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	279000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	23.800

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 6073
AQUIFER: ALLUVIUM
SCREENED INT.: 46.2- 50.2
BEDROCK DEPTH: 49.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	8.000
BTZ	<2.000
C6H6	2.320
CA	211000.000
CCL4	6.140
CD	<5.160
CH2CL2	<5.000
CHCL3	15.400
CL	178000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.208
DMDS	<1.800
DMMP	18.100
ENDRN	<0.052
ETC6H5	<1.280
FL	1700.000
HG	<0.480
ISODR	<0.060
K	5460.000
MEC6H5	<1.210
MG	50100.000
MIBK	<12.900
MXYLEN	<1.350
NA	216000.000
NIT	4290.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	724000.000
T12DCE	<1.200
TCLEE	1.320
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 26075
AQUIFER: DENVER
SCREENED INT.: 88.5- 99.5
BEDROCK DEPTH: 49.0
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	64700.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	5.180
CL	38000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	.
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2650.000
MEC6H5	<1.210
MG	5520.000
MIBK	.
MXYLEN	<1.350
NA	263000.000
NIT	<10.000
OXAT	<1.350
PB	24.700
PPDDE	<0.046
PPDDT	<0.059
SO4	332000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	69.800

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26076
AQUIFER: ALLUVIUM
SCREENED INT.: 25.4- 32.5
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	.
BTZ	<1.140
C6H6	<1.340
CA	.
CCL4	<2.400
CD	.
CH2CL2	<5.000
CHCL3	<1.400
CL	.
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	386.000
DITH	<1.590
DLDRN	0.093
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	.
HG	.
ISODR	<0.056
K	.
MEC6H5	<1.210
MG	.
MIBK	<12.900
MXYLEN	<1.350
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	.
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	.

WELL 26083
AQUIFER: ALLUVIUM
SCREENED INT.: 17.0- 27.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	9.940
BTZ	<1.140
C6H6	<1.340
CA	40100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	296000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.454
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	3820.000
HG	<0.359
ISODR	<0.056
K	4760.000
MEC6H5	<1.210
MG	17600.000
MIBK	<12.900
MXYLEN	<1.350
NA	381000.000
NIT	4280.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	275000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	53.500

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 6084
AQUIFER: DENVER
SCREENED INT.: 70.0- 82.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	111000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	130000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3310.000
MEC6H5	<1.210
MG	5780.000
MIBK	<12.900
MXYLEN	<1.350
NA	419000.000
NIT	24.500
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	939000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 26085
AQUIFER: ALLUVIUM
SCREENED INT.: 22.9- 32.1
BEDROCK DEPTH: 32.5
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.700
AS	28.400
BTZ	<2.000
C6H6	<1.340
CA	504000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	24.200
CL	1740000.000
CL6CP	<0.700
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<5.350
CPMSO2	<22.000
CR	<5.960
CU	<7.940
DBCP	0.214
DCPD	<9.310
DIMP	104.000
DITH	<1.100
DLDRN	<0.600
DMDS	<1.800
DMMP	<30.400
ENDRN	<0.520
ETC6H5	<1.280
FL	2920.000
HG	<0.480
ISODR	<0.600
K	8270.000
MEC6H5	<1.210
MG	181000.000
MIBK	<12.900
MXYLEN	<1.350
NA	648000.000
NIT	1410.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.530
PPDDT	<0.700
SO4	917000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	8.690
XYLEN	<2.470
ZN	40.900

WELL 26086
AQUIFER: DENVER
SCREENED INT.: 64.0- 74.0
BEDROCK DEPTH: 32.5
BEDROCK LITH.: SS
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	6.470
BTZ	1.620
C6H6	<1.340
CA	245000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	802000.000
CL6CP	<0.083
CLC6H5	3.810
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	17.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	286.000
DITH	23.900
DLDRN	0.121
DMDS	1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1490.000
HG	<0.359
ISODR	<0.056
K	3090.000
MEC6H5	<1.210
MG	53600.000
MIBK	<12.900
MXYLEN	<1.350
NA	279000.000
NIT	660.000
OXAT	3.090
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	331000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	25.300

WELL 26088
AQUIFER: ALLUVIUM
SCREENED INT.: 32.0- 36.0
BEDROCK DEPTH: 33.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	515000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	16.100
CL	361000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	12.700
DITH	<1.590
DLDRN	0.455
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1960.000
HG	<0.359
ISODR	<0.056
K	5220.000
MEC6H5	<1.210
MG	158000.000
MIBK	<12.900
MXYLEN	<1.350
NA	368000.000
NIT	4580.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	177000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26127

AQUIFER: ALLUVIUM
SCREENED INT.: 41.1- 44.5
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	5.100
BTZ	<2.000
C6H6	<1.340
CA	374000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	901000.000
CL6CP	<0.070
CLC6H5	1.040
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	1760.000
DITH	44.300
DLDRN	0.106
DMDS	<1.800
DMMP	<380.000
ENDRN	<0.052
ETC6H5	<1.280
FL	1500.000
HG	<0.480
ISODR	<0.060
K	4340.000
MEC6H5	<1.210
MG	79400.000
MIBK	<12.900
MXYLEN	<1.350
NA	282000.000
NIT	1560.000
OXAT	4.710
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	411000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 26129

AQUIFER: DENVER
SCREENED INT.: 90.0-100.0
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SS
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	6.450
BTZ	<1.140
C6H6	4.500
CA	274000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	890000.000
CL6CP	<0.083
CLC6H5	0.790
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	16.300
CU	<7.940
DBCP	<0.130
DCPD	<16.200
DIMP	214.000
DITH	89.100
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1440.000
HG	<0.359
ISODR	<0.056
K	3770.000
MEC6H5	<1.210
MG	34100.000
MIBK	<12.900
MXYLEN	<1.350
NA	425000.000
NIT	11.400
OXAT	12.800
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	379000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 26133
AQUIFER: ALLUVIUM
SCREENED INT.: 35.0- 55.0
BEDROCK DEPTH: 40.5
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND		CONCENTRATION
111TCE		<340.000
112TCE		<1.000
11DCE		<1.100
11DCLE		8.840
12DCLE		<122.000
ALDRN		<1.660
AS		24.600
BTZ		<1.140
C6H6		508.000
CA		308000.000
CCL4		<480.000
CD		<5.160
CH2CL2		1000.000
CHCL3	>	38800.000
CL		2440000.000
CL6CP		<1.660
CLC6H5		28.500
CLDAN		<3.040
CPMS		748.000
CPMSO		26.800
CPMSO2		1280.000
CR		37.300
CU		<7.940
DBCP		35.400
DCPD		703.000
DIMP		1170.000
DITH		37.800
DLDRN	>	0.380
DMDS		1.580
DMMP	>	305.000
ENDRN		<1.200
ETC6H5		7.780
FL		<30500.000
HG		<0.359
ISODR		<1.120
K		20800.000
MEC6H5		<242.000
MG		144000.000
MIBK		172.000
MXYLEN	>	8.930
NA		1380000.000
NIT		464.000
OXAT		15.400
PB		<18.600
PPDDE		<0.920
PPDDT		<1.180
SO4		7840000.000
T12DCE		3.100
TCLEE		926.000
TRCLE		68.700
XYLEN		<494.000
ZN		211.000

WELL 26140
AQUIFER: DENVER
SCREENED INT.: 59.0- 78.0
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND		CONCENTRATION
111TCE		<1.700
112TCE		<1.000
11DCE		<1.100
11DCLE		<1.200
12DCLE		<0.610
ALDRN		0.133
AS		<2.500
BTZ		<1.140
C6H6		<1.340
CA		264000.000
CCL4		<2.400
CD		8.700
CH2CL2		<3.000
CHCL3		16.500
CL		744000.000
CL6CP		<0.083
CLC6H5		<0.580
CLDAN		<0.152
CPMS		<1.080
CPMSO		<1.980
CPMSO2		<2.240
CR		19.100
CU		<7.940
DBCP		<0.130
DCPD		<9.310
DIMP		<10.500
DITH		<1.590
DLDRN		0.411
DMDS		<1.160
DMMP		<15.200
ENDRN	>	0.057
ETC6H5		<1.280
FL		1300.000
HG		<0.359
ISODR		<0.056
K		4100.000
MEC6H5		<1.210
MG		64800.000
MIBK		<12.900
MXYLEN		<1.350
NA		265000.000
NIT		.
OXAT		<1.350
PB		<18.600
PPDDE		<0.046
PPDDT		<0.059
SO4		315000.000
T12DCE		<1.200
TCLEE		<1.300
TRCLE		<1.100
XYLEN		<2.470
ZN		89.300

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 6142 AQUIFER: DENVER
SCREENED INT.: 138.0-146.0
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: 3 SH

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	24400.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	53500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	1.230
DMDS	<1.160
DMMP	<15.200
ENDRN	0.162
ETC6H5	<1.280
FL	1760.000
HG	<0.359
ISODR	<0.056
K	1740.000
MEC6H5	<1.210
MG	2190.000
MIBK	<12.900
MXYLEN	<1.350
NA	169000.000
NIT	51.400
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	227000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 26147 AQUIFER: DENVER
SCREENED INT.: 85.0-105.0
BEDROCK DEPTH: 29.5
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	110000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	214000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	2500.000
MEC6H5	<1.210
MG	5790.000
MIBK	<12.900
MXYLEN	<1.350
NA	388000.000
NIT	<10.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	803000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 27001
AQUIFER: ALLUVIUM
SCREENED INT.: 30.4- 46.4
BEDROCK DEPTH: 48.6
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	70400.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.135
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	52400.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 27002
AQUIFER: ALLUVIUM
SCREENED INT.: 37.0- 63.5
BEDROCK DEPTH: 69.7
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	24.800
CL	357000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.370
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1160.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	112000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL `7003
AQUIFER: ALLUVIUM
SCREENED INT.: 48.8- 59.7
BEDROCK DEPTH: 60.3
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	66400.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.132
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	61700.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 27005
AQUIFER: ALLUVIUM
SCREENED INT.: 39.5- 43.5
BEDROCK DEPTH: 43.5
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	70500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	103000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	20.800
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	814.000
MEC6H5	<1.210
MG	13900.000
MIBK	<12.900
MXYLEN	<1.350
NA	81000.000
NIT	221.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	51700.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	27.500

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27016
AQUIFER: ALLUVIUM
SCREENED INT.: 21.0- 25.0
BEDROCK DEPTH: 25.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	12.000
BTZ	<2.000
C6H6	<1.340
CA	46700.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	608000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	12.900
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	3070.000
HG	<0.480
ISODR	<0.060
K	3030.000
MEC6H5	<1.210
MG	19000.000
MIBK	<12.900
MXYLEN	<1.350
NA	561000.000
NIT	1210.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	375000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 27024
AQUIFER: ALLUVIUM
SCREENED INT.: 36.0- 40.0
BEDROCK DEPTH: 40.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	3.150
ALDRN	<0.083
AS	17.300
BTZ	.
C6H6	.
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	4.180
CL	789000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	0.371
DCPD	<9.310
DIMP	12.900
DITH	.
DLDRN	0.291
DMDS	.
DMMP	<15.200
ENDRN	0.329
ETC6H5	.
FL	2750.000
HG	.
ISODR	<0.056
K	.
MEC6H5	.
MG	.
MIBK	<12.900
MXYLEN	.
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	618000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	5.010
XYLEN	.
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27026
AQUIFER: ALLUVIUM
SCREENED INT.: 28.0- 32.0
BEDROCK DEPTH: 32.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	4.940
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	22.800
CL	777000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	0.146
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.099
DMDS	.
DMMP	<15.200
ENDRN	0.154
ETC6H5	<0.620
FL	2510.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	293000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 27028
AQUIFER: ALLUVIUM
SCREENED INT.: 27.6- 31.6
BEDROCK DEPTH: 36.5
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	20.300
CL	237000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.804
DMDS	.
DMMP	<15.200
ENDRN	0.184
ETC6H5	<0.620
FL	2310.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	172000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27030
AQUIFER: ALLUVIUM
SCREENED INT.: 38.0- 42.0
BEDROCK DEPTH: 42.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	15.900
CL	187000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	1.740
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1860.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	154000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	

WELL 27031
AQUIFER: ALLUVIUM
SCREENED INT.: 39.0- 43.0
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	25.500
CL	178000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.139
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1510.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	149000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27040
AQUIFER: ALLUVIUM
SCREENED INT.: 31.9- 35.3
BEDROCK DEPTH: 33.8
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	3.840
ALDRN	0.516
AS	19.700
BTZ	<1.140
C6H6	<1.340
CA	200000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	2.940
CL	1030000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	6.440
CPMSO2	<2.240
CR	19.600
CU	<7.940
DBCP	0.403
DCPD	<9.310
DIMP	36.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1990.000
HG	<0.359
ISODR	0.291
K	7090.000
MEC6H5	<1.210
MG	71900.000
MIBK	<12.900
MXYLEN	<1.350
NA	509000.000
NIT	2430.000
OXAT	2.840
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	659000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	7.500
XYLEN	<2.470
ZN	<20.100

WELL 27049
AQUIFER: DENVER
SCREENED INT.: 61.5- 65.0
BEDROCK DEPTH: 37.2
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	113000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	19.400
CL	403000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.136
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1470.000
HG	<0.359
ISODR	<0.056
K	3620.000
MEC6H5	<1.210
MG	34300.000
MIBK	<12.900
MXYLEN	<1.350
NA	234000.000
NIT	3280.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	237000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	3.520
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27051
AQUIFER: ALLUVIUM
SCREENED INT.: 33.8- 53.0
BEDROCK DEPTH: 54.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	83000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	7.650
CL	224000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1500.000
HG	<0.359
ISODR	<0.056
K	2270.000
MEC6H5	<1.210
MG	31500.000
MIBK	<12.900
MXYLEN	<1.350
NA	248000.000
NIT	3450.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	210000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 27053
AQUIFER: ALLUVIUM
SCREENED INT.: 51.7- 66.7
BEDROCK DEPTH: 66.7
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	74200.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	98900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	10.600
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	5370.000
MEC6H5	<1.210
MG	13900.000
MIBK	<12.900
MXYLEN	<1.350
NA	86900.000
NIT	353.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	45800.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 7054
AQUIFER: DENVER
SCREENED INT.: 90.0-105.0
BEDROCK DEPTH: 66.7
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<17.000
112TCE	<5.000
11DCE	<1.100
11DCLE	<12.000
12DCLE	<6.100
ALDRN	.
AS	.
BTZ	.
C6H6	<1.340
CA	.
CCL4	<24.000
CD	.
CH2CL2	<5.000
CHCL3	<14.000
CL	.
CL6CP	.
CLC6H5	<0.580
CLDAN	.
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	.
DMDS	.
DMMP	<15.200
ENDRN	.
ETC6H5	<1.280
FL	.
HG	.
ISODR	.
K	.
MEC6H5	2.170
MG	.
MIBK	<12.900
MXYLEN	<1.350
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	.
PPDDT	.
SO4	.
T12DCE	<12.000
TCLEE	<1.300
TRCLE	1.240
XYLEN	<2.470
ZN	

WELL 27055
AQUIFER: DENVER
SCREENED INT.: 120.0-135.0
BEDROCK DEPTH: 66.7
BEDROCK LITH.: SH
SCREENED ZONE: 5

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	4760.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	<4800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	39.400
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2580.000
HG	<0.359
ISODR	<0.056
K	7410.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	63400.000
NIT	927.000
OXAT	<1.350
PB	26.200
PPDDE	<0.046
PPDDT	<0.059
SO4	<10000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WELL 27057 AQUIFER: DENVER
SCREENED INT.: 57.0- 62.0
BEDROCK DEPTH: 44.2
BEDROCK LITH.: SS
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	46900.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	48500.000
CL6CP	<0.169
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.103
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2650.000
MEC6H5	<1.210
MG	4630.000
MIBK	<12.900
MXYLEN	<1.350
NA	207000.000
NIT	16200.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	265000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WELL 27062 AQUIFER: ALLUVIUM
SCREENED INT.: 28.6- 43.6
BEDROCK DEPTH: 44.6
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	0.725
ALDRN	<0.083
AS	9.510
BTZ	<1.140
C6H6	<1.340
CA	198000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	16.500
CL	934000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	4.850
CPMSO2	<2.240
CR	23.700
CU	<7.940
DBCP	0.258
DCPD	<9.310
DIMP	30.400
DITH	<1.590
DLDRN	0.216
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1970.000
HG	<0.359
ISODR	<0.056
K	2340.000
MEC6H5	<1.210
MG	56200.000
MIBK	<12.900
MXYLEN	<1.350
NA	412000.000
NIT	4800.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	434000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	2.160
XYLEN	<2.470
ZN	119.000

WELL 27063

AQUIFER: ALLUVIUM
SCREENED INT.: 40.0- 60.0
BEDROCK DEPTH: 60.8
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.166
AS	5.440
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	22.800
CL	698000.000
CL6CP	<0.166
CLC6H5	<1.360
CLDAN	<0.304
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	0.215
DCPD	<9.310
DIMP	13.900
DITH	.
DLDRN	0.277
DMDS	.
DMMP	<15.200
ENDRN	<0.120
ETC6H5	<0.620
FL	2640.000
HG	.
ISODR	<0.112
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.092
PPDDT	<0.118
SO4	333000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 27064

AQUIFER: ALLUVIUM
SCREENED INT.: 44.6- 64.6
BEDROCK DEPTH: 62.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	26.100
CL	256000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	1.590
DLDRN	1.350
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1720.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	194000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27068
AQUIFER: ALLUVIUM
SCREENED INT.: 45.0- 65.0
BEDROCK DEPTH: 65.2
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.523
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	46.000
CL	359000.000
CL6CP	<0.523
CLC6H5	<1.360
CLDAN	<0.958
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	<0.347
DMDS	.
DMMP	<15.200
ENDRN	<0.378
ETC6H5	<0.620
FL	1440.000
HG	.
ISODR	<0.353
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.290
PPDDT	<0.372
SO4	154000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 27071
AQUIFER: ALLUVIUM
SCREENED INT.: 45.0- 65.0
BEDROCK DEPTH: 65.2
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	28.000
CL	211000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.158
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1080.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	107000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 27072

AQUIFER: ALLUVIUM
SCREENED INT.: 45.0- 65.0
BEDROCK DEPTH: 63.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	7.720
CL	166000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	<0.054
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	71500.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 27073

AQUIFER: ALLUVIUM
SCREENED INT.: 43.8- 53.8
BEDROCK DEPTH: 54.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	53.300
CL	364000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.117
DMDS	.
DMMP	<15.200
ENDRN	0.323
ETC6H5	<0.620
FL	1340.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	0.069
SO4	150000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 27074

AQUIFER: ALLUVIUM
SCREENED INT.: 28.3- 48.3
BEDROCK DEPTH: 48.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	108000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	27.000
CL	339000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.180
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1250.000
HG	<0.359
ISODR	<0.056
K	5220.000
MEC6H5	<1.210
MG	30100.000
MIBK	<12.900
MXYLEN	<1.350
NA	199000.000
NIT	20700.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	159000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 27075

AQUIFER: ALLUVIUM
SCREENED INT.: 39.5- 59.5
BEDROCK DEPTH: 60.6
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	26.100
CL	234000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.383
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1810.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	199000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 27076

AQUIFER: ALLUVIUM
SCREENED INT.: 50.0- 60.0
BEDROCK DEPTH: 61.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	6.710
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	23.300
CL	693000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	0.182
DCPD	<9.310
DIMP	14.500
DITH	.
DLDRN	0.115
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2510.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	312000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 27077

AQUIFER: ALLUVIUM
SCREENED INT.: 34.9- 54.9
BEDROCK DEPTH: 57.2
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	9.120
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	18.900
CL	690000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	0.253
DCPD	<9.310
DIMP	17.800
DITH	.
DLDRN	<0.054
DMDS	.
DMMP	<15.200
ENDRN	0.212
ETC6H5	<0.620
FL	2930.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	404000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	2.070
XYLEN	<1.340
ZN	.

WELL 27078

AQUIFER: ALLUVIUM
SCREENED INT.: 40.2- 50.2
BEDROCK DEPTH: 50.6
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	14.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	813000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	0.214
DCPD	<9.310
DIMP	.
DITH	.
DLDRN	<0.054
DMDS	.
DMMP	.
ENDRN	<0.060
ETC6H5	<0.620
FL	3250.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	487000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	1.430
XYLEN	<1.340
ZN	.

WELL 28022

AQUIFER: ALLUVIUM
SCREENED INT.: 47.8- 51.2
BEDROCK DEPTH: 52.8
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	78000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	14.800
CL	31800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	1.720
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3580.000
MEC6H5	<1.210
MG	10900.000
MIBK	<12.900
MXYLEN	<1.350
NA	49100.000
NIT	2170.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	72100.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL ˀ8023 AQUIFER: ALLUVIUM
SCREENED INT.: 32.7- 41.9
BEDROCK DEPTH: 52.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	121000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	65900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	10.000
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4160.000
MEC6H5	<1.210
MG	18000.000
MIBK	<12.900
MXYLEN	<1.350
NA	74200.000
NIT	8330.000
OXAT	<1.350
PB	23.400
PPDDE	<0.046
PPDDT	<0.059
SO4	154000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	40.300

WELL 28026 AQUIFER: DENVER
SCREENED INT.: 110.0-120.0
BEDROCK DEPTH: 52.0
BEDROCK LITH.: SH
SCREENED ZONE: 6

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.146
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	4860.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	<4800.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.233
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.079
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.085
ETC6H5	<1.280
FL	2490.000
HG	<0.359
ISODR	<0.109
K	675.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	63900.000
NIT	27.400
OXAT	<1.350
PB	23.900
PPDDE	<0.046
PPDDT	<0.097
SO4	12700.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 28027
AQUIFER: ALLUVIUM
SCREENED INT.: 39.0- 48.0
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	68400.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	35900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	6.190
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3560.000
MEC6H5	<1.210
MG	8670.000
MIBK	<12.900
MXYLEN	<1.350
NA	42100.000
NIT	3440.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	53500.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WELL 28028
AQUIFER: DENVER
SCREENED INT.: 57.5- 67.5
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	44200.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	28200.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2800.000
MEC6H5	<1.210
MG	3080.000
MIBK	<12.900
MXYLEN	<1.350
NA	80900.000
NIT	199.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	129000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 0009
AQUIFER: ALLUVIUM
SCREENED INT.: 9.0- 24.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	104000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	93400.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	16.300
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1320.000
HG	<0.359
ISODR	<0.056
K	6350.000
MEC6H5	<1.210
MG	37300.000
MIBK	<12.900
MXYLEN	<1.350
NA	160000.000
NIT	8680.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	447000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	135.000

WELL 30011
AQUIFER: DENVER
SCREENED INT.: 123.0-133.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	9380.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	29300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2480.000
HG	<0.359
ISODR	<0.056
K	2100.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	84100.000
NIT	24.300
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	<10000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 31005
AQUIFER: ALLUVIUM
SCREENED INT.: 20.0- 45.0
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	187000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	178000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	22.500
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2860.000
MEC6H5	<1.210
MG	59400 000
MIBK	<12.900
MXYLEN	<1.350
NA	208000.000
NIT	388.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	602000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	43.000

WELL 32002
AQUIFER: DENVER
SCREENED INT.: 105.0-115.0
BEDROCK DEPTH: 30.8
BEDROCK LITH.: SH
SCREENED ZONE: AL

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	104000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	58900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	.
MEC6H5	<1.210
MG	1990.000
MIBK	<12.900
MXYLEN	<1.350
NA	230000.000
NIT	<10.000
OXAT	<1.350
PB	64.600
PPDDE	<0.046
PPDDT	<0.059
SO4	698000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	34.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 33001
AQUIFER: ALLUVIUM
SCREENED INT.: 60.2- 78.6
BEDROCK DEPTH: 77.3
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	47500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	27000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	2990.000
MEC6H5	<1.210
MG	6240.000
MIBK	<12.900
MXYLEN	<1.350
NA	41000.000
NIT	1400.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	36300.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<40.200

WELL 33002
AQUIFER: ALLUVIUM
SCREENED INT.: 103.9-111.5
BEDROCK DEPTH: 112.1
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	8.230
CA	181000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	122000.000
CL6CP	<0.083
CLC6H5	32.700
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	5800.000
MEC6H5	<1.210
MG	19500.000
MIBK	<12.900
MXYLEN	<1.350
NA	101000.000
NIT	7260.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	332000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	9.470
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 33016
AQUIFER: DENVER
SCREENED INT.: 75.0- 85.0
BEDROCK DEPTH: 60.9
BEDROCK LITH.: SS
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	29600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	9450.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	9.090
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1430.000
HG	<0.359
ISODR	<0.056
K	1530.000
MEC6H5	<1.210
MG	1960.000
MIBK	<12.900
MXYLEN	<1.350
NA	57800.000
NIT	3900.000
OXAT	<1.350
PB	22.200
PPDDE	<0.046
PPDDT	<0.059
SO4	52600.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	25.200

WELL 33026
AQUIFER: DENVER
SCREENED INT.: 98.0-108.0
BEDROCK DEPTH: 63.0
BEDROCK LITH.: SH
SCREENED ZONE: 7

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	8700.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	11200.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1820.000
HG	<0.359
ISODR	<0.056
K	<520.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	62800.000
NIT	2810.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	57700.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	44.700

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 33030
AQUIFER: ALLUVIUM
SCREENED INT.: 55.0-115.0
BEDROCK DEPTH: 117.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	126000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	81400.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	6.490
CU	<7.940
DBCP	0.786
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4160.000
MEC6H5	<1.210
MG	16600.000
MIBK	<12.900
MXYLEN	<1.350
NA	64400.000
NIT	14200.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	154000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<40.200

WELL 33032
AQUIFER: DENVER
SCREENED INT.: 190.0-200.0
BEDROCK DEPTH: 117.5
BEDROCK LITH.: SH
SCREENED ZONE: 7

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	40100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	<4800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	8.320
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1680.000
HG	<0.359
ISODR	<0.056
K	2770.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	85300.000
NIT	9910.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	13400.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	65.600

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 33033
AQUIFER: ALLUVIUM
SCREENED INT.: 38.7- 53.7
BEDROCK DEPTH: 53.7
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	84500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	43500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4340.000
MEC6H5	<1.210
MG	9700.000
MIBK	<12.900
MXYLEN	<1.350
NA	44100.000
NIT	7330.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	76200.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	71.700

WELL 33034
AQUIFER: DENVER
SCREENED INT.: 74.0- 84.0
BEDROCK DEPTH: 53.7
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	33800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	29900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1450.000
HG	<0.359
ISODR	<0.056
K	2630.000
MEC6H5	<1.210
MG	2560.000
MIBK	<12.900
MXYLEN	<1.350
NA	72300.000
NIT	576.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	144000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<40.200

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 3039
AQUIFER: ALLUVIUM
SCREENED INT.: 45.8- 55.8
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	113000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	72100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	0.416
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4960.000
MEC6H5	<1.210
MG	41600.000
MIBK	<12.900
MXYLEN	<1.350
NA	194000.000
NIT	8530.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	142000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	6.170
XYLEN	<2.470
ZN	48.500

WELL 33063
AQUIFER: ALLUVIUM
SCREENED INT.: 68.0- 78.0
BEDROCK DEPTH: 78.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	132000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	81000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	8.810
CU	<7.940
DBCP	3.210
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	5030.000
MEC6H5	<1.210
MG	14600.000
MIBK	<12.900
MXYLEN	<1.350
NA	62000.000
NIT	8290.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	142000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	98.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 33075
AQUIFER: ALLUVIUM
SCREENED INT.: 57.4- 77.4
BEDROCK DEPTH: 99.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

WELL 33077
AQUIFER: ALLUVIUM
SCREENED INT.: 107.5-127.5
BEDROCK DEPTH: 127.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION	COMPOUND	CONCENTRATION
111TCE	25.800	111TCE	<1.700
112TCE	<1.000	112TCE	<1.000
11DCE	8.090	11DCE	<1.100
11DCLE	<1.200	11DCLE	[illegible]
12DCLE	<0.610	12DCLE	<0.610
ALDRN	<0.083	ALDRN	<0.083
AS	<2.500	AS	<2.500
BTZ	<1.140	BTZ	<1.140
C6H6	<1.340	C6H6	<1.340
CA	122000.000	CA	.
CCL4	<2.400	CCL4	<2.400
CD	<5.160	CD	.
CH2CL2	<5.000	CH2CL2	<5.000
CHCL3	<1.400	CHCL3	<1.400
CL	72600.000	CL	51000.000
CL6CP	<0.083	CL6CP	<0.083
CLC6H5	0.582	CLC6H5	<0.580
CLDAN	<0.152	CLDAN	<0.152
CPMS	<1.080	CPMS	<1.080
CPMSO	<1.980	CPMSO	<1.980
CPMSO2	<2.240	CPMSO2	<2.240
CR	6.120	CR	.
CU	<7.940	CU	.
DBCP	<0.130	DBCP	<0.130
DCPD	<9.310	DCPD	<9.310
DIMP	<10.500	DIMP	<10.500
DITH	<1.590	DITH	<1.590
DLDRN	<0.054	DLDRN	<0.054
DMDS	<1.160	DMDS	<1.160
DMMP	<15.200	DMMP	<15.200
ENDRN	<0.060	ENDRN	<0.060
ETC6H5	<1.280	ETC6H5	<1.280
FL	<1200.000	FL	<1200.000
HG	<0.359	HG	<0.359
ISODR	<0.056	ISODR	<0.056
K	4710.000	K	4110.000
MEC6H5	<1.210	MEC6H5	<1.210
MG	10700.000	MG	.
MIBK	<12.900	MIBK	<12.900
MXYLEN	<1.350	MXYLEN	<1.350
NA	56900.000	NA	.
NIT	9770.000	NIT	8630.000
OXAT	<1.350	OXAT	<1.350
PB	<37.200	PB	.
PPDDE	<0.046	PPDDE	<0.046
PPDDT	<0.059	PPDDT	<0.059
SO4	164000.000	SO4	107000.000
T12DCE	<1.200	T12DCE	<1.200
TCLEE	<1.300	TCLEE	<1.300
TRCLE	33.700	TRCLE	5.160
XYLEN	<2.470	XYLEN	<2.470
ZN	53.300	ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 4002
AQUIFER: ALLUVIUM
SCREENED INT.: 68.5- 83.7
BEDROCK DEPTH: 83.7
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	61000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	105000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	3.790
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4270.000
MEC6H5	<1.210
MG	12800.000
MIBK	<12.900
MXYLEN	<1.350
NA	75900.000
NIT	261.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	46900.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	28.000

WELL 34003
AQUIFER: DENVER
SCREENED INT.: 122.0-132.0
BEDROCK DEPTH: 83.7
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	8450.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	5600.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2200.000
HG	<0.359
ISODR	<0.056
K	680.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	57100.000
NIT	29.100
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	13500.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 34005
AQUIFER: ALLUVIUM
SCREENED INT.: 61.0- 71.0
BEDROCK DEPTH: 71.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	126000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	28.300
CL	379000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.802
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4860.000
MEC6H5	<1.210
MG	27100.000
MIBK	<12.900
MXYLEN	<1.350
NA	227000.000
NIT	10800.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	148000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	40.400

WELL 34006
AQUIFER: DENVER
SCREENED INT.: 85.0- 95.0
BEDROCK DEPTH: 71.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	95300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	321000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1240.000
HG	<0.359
ISODR	<0.056
K	2210.000
MEC6H5	<1.210
MG	7140.000
MIBK	<12.900
MXYLEN	<1.350
NA	213000.000
NIT	20.900
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	156000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	56.900

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 34008
AQUIFER: ALLUVIUM
SCREENED INT.: 54.5- 84.5
BEDROCK DEPTH: 84.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	75900.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	98100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.098
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3550.000
MEC6H5	<1.210
MG	15500.000
MIBK	<12.900
MXYLEN	<1.350
NA	79300.000
NIT	674.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	68100.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 34009
AQUIFER: DENVER
SCREENED INT.: 100.0-110.0
BEDROCK DEPTH: 84.5
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	21000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	7520.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1410.000
HG	<0.359
ISODR	<0.056
K	1330.000
MEC6H5	<1.210
MG	1790.000
MIBK	<12.900
MXYLEN	<1.350
NA	49400.000
NIT	14.700
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	53600.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 34507
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	138000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	20.300
CL	450000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	11.700
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.286
DMDS	<1.160
DMMP	<15.200
ENDRN	0.506
ETC6H5	<1.280
FL	1200.000
HG	<0.359
ISODR	<0.056
K	4670.000
MEC6H5	<1.210
MG	49600.000
MIBK	<12.900
MXYLEN	<1.350
NA	204000.000
NIT	10800.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	166000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 34508
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	.
BTZ	<1.140
C6H6	<1.340
CA	.
CCL4	<2.400
CD	.
CH2CL2	<5.000
CHCL3	16.500
CL	528000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.088
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1340.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<1.210
MG	.
MIBK	<12.900
MXYLEN	<1.350
NA	.
NIT	7820.000
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	163000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	1.100
XYLEN	<2.470
ZN	.

WELL 14515
AQUIFER: ALLUVIUM
SCREENED INT.: 40.0- 50.0
BEDROCK DEPTH: 65.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	124000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	63000.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	21.200
CU	16.800
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3980.000
MEC6H5	<1.210
MG	24000.000
MIBK	<12.900
MXYLEN	<1.350
NA	68800.000
NIT	10100.000
OXAT	<1.350
PB	20.300
PPDDE	<0.046
PPDDT	<0.059
SO4	140000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	76.700

WELL 35013
AQUIFER: DENVER
SCREENED INT.: 26.0- 29.4
BEDROCK DEPTH: 8.5
BEDROCK LITH.: SH
SCREENED ZONE: A

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	4.410
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	107000.000
CCL4	52.000
CD	<5.160
CH2CL2	<5.000
CHCL3	12.200
CL	102000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	48.600
CU	15.700
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	5160.000
MEC6H5	<1.210
MG	41200.000
MIBK	<12.900
MXYLEN	<1.350
NA	135000.000
NIT	17400.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	179000.000
T12DCE	<1.200
TCLEE	6.100
TRCLE	9.830
XYLEN	<2.470
ZN	131.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 35016
AQUIFER: DENVER
SCREENED INT.: 37.0- 40.4
BEDROCK DEPTH: 18.0
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	7.430
BTZ	3.560
C6H6	<1.340
CA	551000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	1610000.000
CL6CP	<0.083
CLC6H5	19.500
CLDAN	<0.152
CPMS	1.250
CPMSO	<1.980
CPMSO2	<2.240
CR	45.900
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	5350.000
DITH	183.000
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2150.000
HG	<0.359
ISODR	<0.056
K	7190.000
MEC6H5	<1.210
MG	9[illegible]300.000
MIBK	<12.900
MXYLEN	<1.350
NA	446000.000
NIT	176.000
OXAT	16.900
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	473000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	2.550
XYLEN	<2.470
ZN	<20.100

WELL 35017
AQUIFER: DENVER
SCREENED INT.: 88.4- 91.8
BEDROCK DEPTH: 18.0
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	13900.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	49400.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.065
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1530.000
HG	<0.359
ISODR	<0.056
K	1620.000
MEC6H5	<1.210
MG	623.000
MIBK	<12.900
MXYLEN	<1.350
NA	167000.000
NIT	34.700
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	187000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 35023
AQUIFER: ALLUVIUM
SCREENED INT.: 21.8- 25.2
BEDROCK DEPTH: 25.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	1.610
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	1.240
C6H6	<1.340
CA	93000.000
CCL4	<2.400
CD	<5.160
CH2CL2	7.090
CHCL3	1530.000
CL	170000.000
CL6CP	<0.083
CLC6H5	4.330
CLDAN	<0.152
CPMS	2.530
CPMSO	14.400
CPMSO2	29.200
CR	<5.960
CU	<7.940
DBCP	2.430
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3610.000
MEC6H5	<1.210
MG	26000.000
MIBK	<12.900
MXYLEN	<1.350
NA	133000.000
NIT	<10.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	168000.000
T12DCE	<1.200
TCLEE	3.910
TRCLE	<1.100
XYLEN	<2.470
ZN	50.800

WELL 35036
AQUIFER: DENVER
SCREENED INT.: 74.0- 89.0
BEDROCK DEPTH: 17.0
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	103000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	62100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2800.000
MEC6H5	<1.210
MG	6730.000
MIBK	<12.900
MXYLEN	<1.350
NA	315000.000
NIT	11.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	635000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 35037
AQUIFER: ALLUVIUM
SCREENED INT.: 30.0- 39.1
BEDROCK DEPTH: 37.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	157000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	10.400
CL	246000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	172.000
CU	174.000
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	1.760
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1870.000
HG	<0.359
ISODR	<0.056
K	5380.000
MEC6H5	<1.210
MG	65100.000
MIBK	<12.900
MXYLEN	<1.350
NA	238000.000
NIT	4320.000
OXAT	<1.350
PB	120.000
PPDDE	<0.046
PPDDT	<0.059
SO4	277000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	589.000

WELL 35038
AQUIFER: DENVER
SCREENED INT.: 59.0- 67.0
BEDROCK DEPTH: 37.0
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	71500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	36200.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2650.000
MEC6H5	<1.210
MG	14500.000
MIBK	<12.900
MXYLEN	<1.350
NA	213000.000
NIT	4420.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	249000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 5039
AQUIFER: DENVER
SCREENED INT.: 100.0-112.0
BEDROCK DEPTH: 37.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	59100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	46500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	1620.000
MEC6H5	<1.210
MG	3140.000
MIBK	<12.900
MXYLEN	<1.350
NA	258000.000
NIT	50.400
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	376000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	66.400

WELL 35052
AQUIFER: ALLUVIUM
SCREENED INT.: 15.0- 20.0
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	455000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	750000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	109.000
CU	47.900
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	1.650
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	19300.000
MEC6H5	<1.210
MG	59100.000
MIBK	<12.900
MXYLEN	<1.350
NA	237000.000
NIT	9630.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	280000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	210.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 35054
AQUIFER: DENVER
SCREENED INT.: 66.0- 76.0
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: AL

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	236000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	24500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	15.200
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4790.000
MEC6H5	<1.210
MG	45200.000
MIBK	<12.900
MXYLEN	<1.350
NA	465000.000
NIT	131.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1400000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 35056
AQUIFER: DENVER
SCREENED INT.: 110.0-145.0
BEDROCK DEPTH: 10.1
BEDROCK LITH.: SS
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	57000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	83700.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	1620.000
MEC6H5	<1.210
MG	615.000
MIBK	<12.900
MXYLEN	<1.350
NA	219000.000
NIT	<10.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	411000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL '5058
AQUIFER: ALLUVIUM
SCREENED INT.: 15.5- 35.5
BEDROCK DEPTH: 33.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	74600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	5.260
CL	151000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	20.300
CU	19.800
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	1.220
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1750.000
HG	<0.359
ISODR	<0.056
K	4420.000
MEC6H5	<1.210
MG	29100.000
MIBK	<12.900
MXYLEN	<1.350
NA	194000.000
NIT	4690.000
OXAT	<1.350
PB	25.500
PPDDE	<0.046
PPDDT	<0.059
SO4	155000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	78.500

WELL 35061
AQUIFER: ALLUVIUM
SCREENED INT.: 35.0- 40.0
BEDROCK DEPTH: 40.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	300000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	227000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	56.700
CU	25.500
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2390.000
HG	<0.359
ISODR	<0.056
K	5750.000
MEC6H5	<1.210
MG	77100.000
MIBK	<12.900
MXYLEN	<1.350
NA	294000.000
NIT	12700.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1050000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	131.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 35062
AQUIFER: DENVER
SCREENED INT.: 66.5- 81.5
BEDROCK DEPTH: 40.0
BEDROCK LITH.: SH
SCREENED ZONE: AL

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	209000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	35400.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	17.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1180.000
HG	<0.359
ISODR	<0.056
K	4490.000
MEC6H5	<1.210
MG	28700.000
MIBK	<12.900
MXYLEN	<1.350
NA	523000.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1340000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	43.200

WELL 35063
AQUIFER: DENVER
SCREENED INT.: 96.0-116.0
BEDROCK DEPTH: 40.0
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	50200.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	57200.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	1620.000
MEC6H5	<1.210
MG	1540.000
MIBK	<12.900
MXYLEN	<1.350
NA	274000.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	525000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	24.700

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 15065
AQUIFER: ALLUVIUM
SCREENED INT.: 16.0- 31.0
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	0.830
AS	12.000
BTZ	<1.140
C6H6	<1.340
CA	700000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	479000.000
CL6CP	<0.083
CLC6H5	5.870
CLDAN	<0.152
CPMS	<1.080
CPMSO	9.510
CPMSO2	494.000
CR	191.000
CU	92.900
DBCP	0.189
DCPD	58.600
DIMP	1340.000
DITH	48.800
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	4020.000
HG	<0.359
ISODR	<0.056
K	6650.000
MEC6H5	<1.210
MG	352000.000
MIBK	<12.900
MXYLEN	<1.350
NA	1300000.000
NIT	4020.000
OXAT	8.020
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	3970000.000
T12DCE	<1.200
TCLEE	23.300
TRCLE	9.810
XYLEN	<2.470
ZN	367.000

WELL 35066
AQUIFER: DENVER
SCREENED INT.: 40.5- 55.5
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SH
SCREENED ZONE: AL

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	12.100
BTZ	<1.140
C6H6	<1.340
CA	575000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	1.910
CL	2100000.000
CL6CP	<0.083
CLC6H5	2.330
CLDAN	<0.152
CPMS	3.640
CPMSO	<1.980
CPMSO2	<2.240
CR	73.900
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	2710.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	4830.000
HG	1.970
ISODR	<0.056
K	8830.000
MEC6H5	<1.210
MG	355000.000
MIBK	<12.900
MXYLEN	<1.350
NA	1190000.000
NIT	3070.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	2790000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 35067
AQUIFER: DENVER
SCREENED INT.: 6?.0- 83.0
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	285000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	133000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	19.400
CU	9.400
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1630.000
HG	<0.359
ISODR	<0.056
K	5160.000
MEC6H5	<1.210
MG	71200.000
MIBK	<12.900
MXYLEN	<1.350
NA	521000.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1420000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	63.000

WELL 35068
AQUIFER: DENVER
SCREENED INT.: 99.0-159.0
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SH
SCREENED ZONE: 1 2 & 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	75600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	54200.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1280.000
HG	<0.359
ISODR	<0.056
K	1330.000
MEC6H5	<1.210
MG	5950.000
MIBK	<12.900
MXYLEN	<1.350
NA	279000.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	537000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 36001
AQUIFER: ALLUVIUM
SCREENED INT.: 10.5- 20.0
BEDROCK DEPTH: 17.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<850.000
112TCE	<500.000
11DCE	<550.000
11DCLE	<600.000
12DCLE	<305.000
ALDRN	<0.083
AS	3.640
BTZ	<1.140
C6H6	25000.000
CA	86300.000
CCL4	<1200.000
CD	<5.160
CH2CL2	<2500.000
CHCL3	4870.000
CL	175000.000
CL6CP	<0.169
CLC6H5	31200.000
CLDAN	<0.152
CPMS	113.000
CPMSO	<1.980
CPMSO2	154.000
CR	<5.960
CU	9.780
DBCP	278.000
DCPD	.
DIMP	<10.500
DITH	1.690
DLDRN	1.230
DMDS	47.100
DMMP	132.000
ENDRN	<0.060
ETC6H5	<640.000
FL	2600.000
HG	1.900
ISODR	<0.056
K	3260.000
MEC6H5	<605.000
MG	34500.000
MIBK	.
MXYLEN	<675.000
NA	292000.000
NIT	56.800
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	166000.000
T12DCE	<600.000
TCLEE	<650.000
TRCLE	2840.000
XYLEN	<1240.000
ZN	<101.000

WELL 36056
AQUIFER: DENVER
SCREENED INT.: 26.5- 30.5
BEDROCK DEPTH: 24.5
BEDROCK LITH.: ST
SCREENED ZONE: VC

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	1.700
11DCLE	3.770
12DCLE	474.000
ALDRN	<2.080
AS	103.000
BTZ	<1.140
C6H6	16000.000
CA	1060000.000
CCL4	<2.400
CD	<5.160
CH2CL2	7340.000
CHCL3	1920.000
CL	3640000.000
CL6CP	<2.080
CLC6H5	1170.000
CLDAN	<3.800
CPMS	63.800
CPMSO	392.000
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	1.550
DCPD	<9.310
DIMP	164.000
DITH	7760.000
DLDRN	2.340
DMDS	11.400
DMMP	<15.200
ENDRN	<1.500
ETC6H5	> 8.090
FL	6230.000
HG	11.300
ISODR	<1.400
K	6610.000
MEC6H5	> 8.890
MG	356000.000
MIBK	<12.900
MXYLEN	> 8.930
NA	1480000.000
NIT	127.000
OXAT	1550.000
PB	<18.600
PPDDE	<1.150
PPDDT	<1.480
SO4	1960000.000
T12DCE	14.000
TCLEE	184.000
TRCLE	146.000
XYLEN	> 18.100
ZN	22.400

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 36065
AQUIFER: ALLUVIUM
SCREENED INT.: 17.6- 21.0
BEDROCK DEPTH: 22.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	1.510
CA	501000.000
CCL4	16.400
CD	<5.160
CH2CL2	<5.000
CHCL3	57.500
CL	279000.000
CL6CP	<0.083
CLC6H5	0.980
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	32.400
CU	<7.940
DBCP	1.520
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2890.000
HG	<0.359
ISODR	<0.056
K	3350.000
MEC6H5	<1.210
MG	119000.000
MIBK	<12.900
MXYLEN	<1.350
NA	485000.000
NIT	3170.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	2090000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	32.600
XYLEN	<2.470
ZN	<101.000

WELL 36066
AQUIFER: DENVER
SCREENED INT.: 73.3- 76.7
BEDROCK DEPTH: 22.5
BEDROCK LITH.: SH
SCREENED ZONE: AL

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	69800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	57700.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2540.000
MEC6H5	<1.210
MG	7220.000
MIBK	<12.900
MXYLEN	<1.350
NA	671000.000
NIT	49.400
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1270000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WELL 6069
AQUIFER: DENVER
SCREENED INT.: 17.5- 22.5
BEDROCK DEPTH: 9.7
BEDROCK LITH.: SH
SCREENED ZONE: VCE

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	76300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	136.000
CL	246000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2330.000
HG	<0.359
ISODR	<0.056
K	4170.000
MEC6H5	<1.210
MG	18900.000
MIBK	<12.900
MXYLEN	<1.350
NA	323000.000
NIT	23400.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	419000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	34.900

WELL 36075
AQUIFER: ALLUVIUM
SCREENED INT.: 7.6- 11.0
BEDROCK DEPTH: 14.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	106000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	1.440
CL	137000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	9.690
CU	9.480
DBCP	<0.130
DCPD	<16.200
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	3530.000
HG	<0.359
ISODR	<0.056
K	2800.000
MEC6H5	<1.210
MG	47200.000
MIBK	<12.900
MXYLEN	<1.350
NA	373000.000
NIT	15400.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	776000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	1.740
XYLEN	<2.470
ZN	<101.000

WELL 36076
AQUIFER: ALLUVIUM
SCREENED INT.: 13.5- 16.9
BEDROCK DEPTH: 29.5
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<850.000
112TCE	3.790
11DCE	6.990
11DCLE	9.740
12DCLE	<305.000
ALDRN	<0.830
AS	315.000
BTZ	7.730
C6H6	1420.000
CA	180000.000
CCL4	<1200.000
CD	<5.160
CH2CL2	5780.000
CHCL3	11100.000
CL	791000.000
CL6CP	<0.830
CLC6H5	19600.000
CLDAN	<1.520
CPMS	20.800
CPMSO	10.800
CPMSO2	1390.000
CR	15.800
CU	10.400
DBCP	0.586
DCPD	<9.310
DIMP	<10.500
DITH	33.300
DLDRN	<0.550
DMDS	8.990
DMMP	<15.200
ENDRN	<0.600
ETC6H5	<1.280
FL	2300.000
HG	<0.359
ISODR	<0.560
K	11100.000
MEC6H5	8.890
MG	33600.000
MIBK	16.200
MXYLEN	1.520
NA	739000.000
NIT	2010.000
OXAT	26.100
PB	<18.600
PPDDE	<0.460
PPDDT	<0.590
SO4	752000.000
T12DCE	9.560
TCLEE	9.160
TRCLE	16.500
XYLEN	<2.470
ZN	<101.000

WELL 36083
AQUIFER: DENVER
SCREENED INT.: 79.0- 82.4
BEDROCK DEPTH: 29.0
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<25.200
BTZ	<1.140
C6H6	<1.340
CA	364000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	226000.000
CL6CP	<0.169
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	34.600
CU	9.390
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	5250.000
HG	<0.359
ISODR	<0.056
K	8070.000
MEC6H5	<1.210
MG	141000.000
MIBK	<12.900
MXYLEN	<1.350
NA	3830000.000
NIT	13.500
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	8710000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	208.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 6084
AQUIFER: ALLUVIUM
SCREENED INT.: 7.6- 11.6
BEDROCK DEPTH: 25.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	36.800
11DCE	<1.100
11DCLE	<1.200
12DCLE	11.900
ALDRN	<2.080
AS	131.000
BTZ	5.270
C6H6	8.470
CA	893000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	34.500
CL	6230000.000
CL6CP	<2.080
CLC6H5	4.710
CLDAN	<3.800
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	58.600
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	12100.000
DITH	498.000
DLDRN	<1.380
DMDS	<1.160
DMMP	<15.200
ENDRN	<1.500
ETC6H5	<1.280
FL	9590.000
HG	<0.359
ISODR	<1.400
K	30100.000
MEC6H5	<1.210
MG	361000.000
MIBK	<12.900
MXYLEN	<1.350
NA	3410000.000
NIT	609.000
OXAT	68.600
PB	<18.600
PPDDE	<1.150
PPDDT	<1.480
SO4	2980000.000
T12DCE	56.700
TCLEE	8.760
TRCLE	> 194.000
XYLEN	<2.470
ZN	34.000

WELL 36090
AQUIFER: DENVER
SCREENED INT.: 21.9- 25.3
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SH
SCREENED ZONE: VC

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	4.470
11DCE	<1.100
11DCLE	<1.200
12DCLE	265.000
ALDRN	<0.083
AS	26.000
BTZ	14.600
C6H6	<1.340
CA	1180000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	3.990
CL	2590000.000
CL6CP	<0.083
CLC6H5	55.900
CLDAN	<0.152
CPMS	8.460
CPMSO	<1.980
CPMSO2	<2.240
CR	62.800
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	13.200
DITH	1110.000
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	2.840
FL	3820.000
HG	<0.359
ISODR	<0.056
K	7190.000
MEC6H5	<1.210
MG	288000.000
MIBK	<12.900
MXYLEN	<1.350
NA	796000.000
NIT	255.000
OXAT	1170.000
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	2070000.000
T12DCE	14.900
TCLEE	23.600
TRCLE	175.000
XYLEN	<2.470
ZN	36.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 36110
AQUIFER: DENVER
SCREENED INT.: 61.8- 65.2
BEDROCK DEPTH: 27.1
BEDROCK LITH.: SH
SCREENED ZONE: AS

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	2.610
ALDRN	<0.083
AS	26.700
BTZ	<1.140
C6H6	<1.340
CA	250000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	91.600
CL	145000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	3.650
CR	21.200
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	> 0.050
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2020.000
HG	<0.359
ISODR	<0.056
K	4680.000
MEC6H5	<1.210
MG	68800.000
MIBK	<12.900
MXYLEN	<1.350
NA	680000.000
NIT	690.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1910000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WELL 36112
AQUIFER: ALLUVIUM
SCREENED INT.: 23.0- 33.0
BEDROCK DEPTH: 33.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	0.750
ALDRN	<0.117
AS	19.900
BTZ	<1.140
C6H6	<1.340
CA	733000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	2460000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	6.110
CPMSO	<1.980
CPMSO2	<2.240
CR	55.100
CU	<7.940
DBCP	<0.130
DCPD	<21.600
DIMP	144.000
DITH	415.000
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	3030.000
HG	<0.359
ISODR	<0.056
K	8080.000
MEC6H5	<1.210
MG	242000.000
MIBK	<12.900
MXYLEN	<1.350
NA	498000.000
NIT	2750.000
OXAT	60.100
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	835000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 6113
AQUIFER: DENVER
SCREENED INT.: 65.5- 80.5
BEDROCK DEPTH: 33.0
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	1.670
CA	47800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	14300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	5510.000
MEC6H5	<1.210
MG	5260.000
MIBK	<12.900
MXYLEN	<1.350
NA	183000.000
NIT	75.300
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	299000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WELL 36114
AQUIFER: DENVER
SCREENED INT.: 101.2-146.2
BEDROCK DEPTH: 33.0
BEDROCK LITH.: SH
SCREENED ZONE: 1 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	91400.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	189000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1220.000
HG	<0.359
ISODR	<0.056
K	2270.000
MEC6H5	<1.210
MG	2620.000
MIBK	<12.900
MXYLEN	<1.350
NA	376000.000
NIT	44.400
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	628000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL		
36117	AQUIFER:	DENVER
	SCREENED INT.:	61.0- 76.0
	BEDROCK DEPTH:	12.5
	BEDROCK LITH.:	SH
	SCREENED ZONE:	AM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.146
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	102000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	10000.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.233
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.124
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.085
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.109
K	3890.000
MEC6H5	<1.210
MG	19500.000
MIBK	<12.900
MXYLEN	<1.350
NA	195000.000
NIT	167.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.097
SO4	241000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	24.200

WELL		
36119	AQUIFER:	DENVER
	SCREENED INT.:	81.0- 91.0
	BEDROCK DEPTH:	9.0
	BEDROCK LITH.:	SH
	SCREENED ZONE:	AM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	11800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	19400.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	1740.000
MEC6H5	<1.210
MG	995.000
MIBK	<12.900
MXYLEN	<1.350
NA	169000.000
NIT	161.000
OXAT	<1.350
PB	28.400
PPDDE	<0.046
PPDDT	<0.059
SO4	207000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	23.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 36121
AQUIFER: DENVER
SCREENED INT.: 48.0- 53.0
BEDROCK DEPTH: 17.5
BEDROCK LITH.: SH
SCREENED ZONE: AM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	366000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	218000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	25.900
CU	<7.940
DBCP	<0.130
DCPD	<16.200
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1860.000
HG	<0.359
ISODR	<0.056
K	7000.000
MEC6H5	<1.210
MG	79800.000
MIBK	<12.900
MXYLEN	<1.350
NA	804000.000
NIT	4080.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	2080000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WELL 36122
AQUIFER: DENVER
SCREENED INT.: 70.0- 80.0
BEDROCK DEPTH: 17.5
BEDROCK LITH.: SH
SCREENED ZONE: AM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	1.630
CA	109000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	164000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3890.000
MEC6H5	<1.210
MG	7560.000
MIBK	<12.900
MXYLEN	<1.350
NA	501000.000
NIT	56.100
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1020000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	33.800

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 36139
AQUIFER: DENVER
SCREENED INT.: 15.0- 30.0
BEDROCK DEPTH: 14.0
BEDROCK LITH.: SS
SCREENED ZONE: AS

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	20.400
ALDRN	<0.415
AS	74.900
BTZ	6.790
C6H6	<1.340
CA	1330000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	25.400
CL	4410000.000
CL6CP	<0.415
CLC6H5	<0.580
CLDAN	<0.760
CPMS	3.790
CPMSO	<1.980
CPMSO2	<2.240
CR	81.900
CU	<7.940
DBCP	<0.130
DCPD	9.310
DIMP	417.000
DITH	302.000
DLDRN	<0.275
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.300
ETC6H5	<1.280
FL	1190.000
HG	<0.359
ISODR	<0.280
K	32900.000
MEC6H5	<1.210
MG	262000.000
MIBK	<12.900
MXYLEN	<1.350
NA	1260000.000
NIT	811.000
OXAT	58.900
PB	<18.600
PPDDE	<0.230
PPDDT	<0.295
SO4	1950000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	154.000

WELL 36154
AQUIFER: DENVER
SCREENED INT.: 132.0-142.0
BEDROCK DEPTH: 11.5
BEDROCK LITH.: ST
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.146
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	37100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	142000.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.233
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.079
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.085
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.109
K	1470.000
MEC6H5	<1.210
MG	751.000
MIBK	<12.900
MXYLEN	<1.350
NA	278000.000
NIT	47.900
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.097
SO4	401000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37308
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 20.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	1.690
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	120000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	275000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	59.100
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	54.100
DIMP	78.400
DITH	<1.100
DLDRN	0.291
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	2090.000
HG	<0.240
ISODR	<0.060
K	4130.000
MEC6H5	<1.210
MG	68100.000
MIBK	<12.900
MXYLEN	<1.350
NA	272000.000
NIT	667.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	430000.000
T12DCE	<1.200
TCLEE	14.400
TRCLE	<1.100
XYLEN	<2.470
ZN	21.600

WELL 37309
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 23.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	6.270
ALDRN	<0.700
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	144000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	624000.000
CL6CP	<0.700
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	27.100
CPMSO2	32.600
CR	<5.960
CU	<7.940
DBCP	0.176
DCPD	475.000
DIMP	829.000
DITH	6.480
DLDRN	<0.600
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.520
ETC6H5	<1.280
FL	2790.000
HG	<0.240
ISODR	<0.600
K	2580.000
MEC6H5	<1.210
MG	71400.000
MIBK	<12.900
MXYLEN	<1.350
NA	539000.000
NIT	2180.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.530
PPDDT	<0.700
SO4	591000.000
T12DCE	<1.200
TCLEE	45.400
TRCLE	3.160
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37312
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 13.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	135000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	258000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	1.620
DMDS	<1.800
DMMP	<15.200
ENDRN	1.510
ETC6H5	<1.280
FL	90.000
HG	<0.240
ISODR	<0.060
K	2430.000
MEC6H5	<1.210
MG	72500.000
MIBK	<12.900
MXYLEN	<1.350
NA	250000.000
NIT	1020.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	481000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 37313
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 28.8
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0 610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	270000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	730000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	2170.000
DITH	8.970
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	2030.000
HG	<0.240
ISODR	<0.060
K	12300.000
MEC6H5	<1.210
MG	> 400000.000
MIBK	<12.900
MXYLEN	<1.350
NA	600000.000
NIT	85.400
OXAT	<2.000
PB	23.300
PPDDE	<0.053
PPDDT	<0.070
SO4	1030000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	22.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 7316
AQUIFER: DENVER
SCREENED INT.: 88.1- 96.2
BEDROCK DEPTH: 31.0
BEDROCK LITH.: SH
SCREENED ZONE: 5

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	74500.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	27.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2060.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	505000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	

WELL 37317
AQUIFER: DENVER
SCREENED INT.: 51.2- 60.6
BEDROCK DEPTH: 31.1
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	56000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1290.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	627000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37318
AQUIFER: DENVER
SCREENED INT.: 41.8- 50.7
BEDROCK DEPTH: 27.0
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	44300.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	313000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 37319
AQUIFER: DENVER
SCREENED INT.: 145.4-154.5
BEDROCK DEPTH: 29.0
BEDROCK LITH.: SH
SCREENED ZONE: 6

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	6.760
CHCL3	3.100
CL	6110.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1670.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	20200.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL		WELL	
37320	AQUIFER: ALLUVIUM SCREENED INT.: 22.7- 32.7 BEDROCK DEPTH: 35.0 BEDROCK LITH.: SS SCREENED ZONE: ALLUVIUM	37321	AQUIFER: DENVER SCREENED INT.: 64.0- 73.9 BEDROCK DEPTH: 35.0 BEDROCK LITH.: SS SCREENED ZONE: 4

COMPOUND	CONCENTRATION	COMPOUND	CONCENTRATION
111TCE	<1.700	111TCE	<1.090
112TCE	<1.000	112TCE	<1.630
11DCE	<1.100	11DCE	<1.850
11DCLE	<1.200	11DCLE	<1.930
12DCLE	<0.610	12DCLE	<2.070
ALDRN	<0.070	ALDRN	<0.083
AS	<3.070	AS	<2.500
BTZ	<2.000	BTZ	<1.140
C6H6	1.750	C6H6	<1.920
CA	127000.000	CA	.
CCL4	<2.400	CCL4	<1.690
CD	<5.160	CD	.
CH2CL2	<5.000	CH2CL2	<2.480
CHCL3	<1.400	CHCL3	<1.880
CL	155000.000	CL	16800.000
CL6CP	<0.070	CL6CP	<0.083
CLC6H5	10.000	CLC6H5	3.600
CLDAN	.	CLDAN	<0.152
CPMS	<1.300	CPMS	<1.080
CPMSO	<4.200	CPMSO	<1.980
CPMSO2	<4.700	CPMSO2	<2.240
CR	<5.960	CR	.
CU	12.100	CU	.
DBCP	<0.130	DBCP	<0.130
DCPD	<9.310	DCPD	<9.310
DIMP	21.500	DIMP	<10.500
DITH	<1.100	DITH	<1.590
DLDRN	<0.060	DLDRN	<0.054
DMDS	<1.800	DMDS	<1.160
DMMP	<15.200	DMMP	<30.400
ENDRN	<0.052	ENDRN	<0.060
ETC6H5	<1.280	ETC6H5	<0.620
FL	<1220.000	FL	<1000.000
HG	<0.480	HG	.
ISODR	<0.060	ISODR	<0.056
K	2890.000	K	.
MEC6H5	<1.210	MEC6H5	<2.100
MG	44300.000	MG	.
MIBK	<12.900	MIBK	<12.900
MXYLEN	<1.350	MXYLEN	<1.040
NA	176000.000	NA	.
NIT	4200.000	NIT	.
OXAT	<2.000	OXAT	<1.350
PB	<18.600	PB	.
PPDDE	<0.053	PPDDE	<0.046
PPDDT	<0.070	PPDDT	<0.059
SO4	413000.000	SO4	216000.000
T12DCE	<1.200	T12DCE	<1.750
TCLEE	<1.300	TCLEE	<2.760
TRCLE	<1.100	TRCLE	<1.310
XYLEN	<2.470	XYLEN	<1.340
ZN	<20.100	ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37322
AQUIFER: DENVER
SCREENED INT.: 87.8- 96.9
BEDROCK DEPTH: 35.0
BEDROCK LITH.: SS
SCREENED ZONE: 5

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	17100.000
CL6CP	<0.083
CLC6H5	7.740
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	207000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 37323
AQUIFER: DENVER
SCREENED INT.: 16.5- 26.3
BEDROCK DEPTH: 10.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	36.700
CL	238000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	15.700
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2310.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1020000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL	AQUIFER: ALLUVIUM	WELL	AQUIFER: ALLUVIUM
37327	SCREENED INT.: 29.6- 34.5	37330	SCREENED INT.: 37.5- 57.2
	BEDROCK DEPTH: 34.9		BEDROCK DEPTH: 57.0
	BEDROCK LITH.: SH		BEDROCK LITH.: SH
	SCREENED ZONE: ALLUVIUM		SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION	COMPOUND	CONCENTRATION
111TCE	<1.090	111TCE	<1.090
112TCE	<1.630	112TCE	<1.630
11DCE	<1.850	11DCE	<1.850
11DCLE	<1.930	11DCLE	<1.930
12DCLE	<2.070	12DCLE	<2.070
ALDRN	<0.083	ALDRN	<0.083
AS	<2.500	AS	<2.500
BTZ	<1.140	BTZ	<1.140
C6H6	<1.920	C6H6	<1.920
CA	.	CA	.
CCL4	<1.690	CCL4	<1.690
CD	.	CD	.
CH2CL2	<2.480	CH2CL2	<2.480
CHCL3	<1.880	CHCL3	18.100
CL	257000.000	CL	291000.000
CL6CP	<0.083	CL6CP	<0.083
CLC6H5	<1.360	CLC6H5	2.690
CLDAN	<0.152	CLDAN	<0.152
CPMS	<1.080	CPMS	<1.080
CPMSO	<1.980	CPMSO	<1.980
CPMSO2	<2.240	CPMSO2	<2.240
CR	.	CR	.
CU	.	CU	.
DBCP	<0.130	DBCP	<0.130
DCPD	<9.310	DCPD	<9.310
DIMP	<10.500	DIMP	<10.500
DITH	<1.590	DITH	<1.590
DLDRN	<0.054	DLDRN	<0.054
DMDS	<1.160	DMDS	<1.160
DMMP	<15.200	DMMP	<30.400
ENDRN	<0.060	ENDRN	<0.060
ETC6H5	<0.620	ETC6H5	<0.620
FL	2700.000	FL	1630.000
HG	.	HG	.
ISODR	<0.056	ISODR	<0.056
K	.	K	.
MEC6H5	<2.100	MEC6H5	<2.100
MG	.	MG	.
MIBK	<12.900	MIBK	<12.900
MXYLEN	<1.040	MXYLEN	<1.040
NA	.	NA	.
NIT	.	NIT	.
OXAT	<1.350	OXAT	<1.350
PB	.	PB	.
PPDDE	<0.046	PPDDE	<0.046
PPDDT	<0.059	PPDDT	<0.059
SO4	1190000.000	SO4	154000.000
T12DCE	<1.750	T12DCE	<1.750
TCLEE	<2.760	TCLEE	<2.760
TRCLE	<1.310	TRCLE	<1.310
XYLEN	<1.340	XYLEN	<1.340
ZN	.	ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37331
AQUIFER: ALLUVIUM
SCREENED INT.: 39.6- 48.6
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	25.800
CL	327000.000
CL6CP	<0.083
CLC6H5	6.590
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1730.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	169000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 37332
AQUIFER: ALLUVIUM
SCREENED INT.: 46.9- 51.4
BEDROCK DEPTH: 51.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	4.500
BTZ	<2.000
C6H6	<1.340
CA	116000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	714000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.711
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	2540.000
HG	<0.240
ISODR	<0.060
K	3970.000
MEC6H5	<1.210
MG	> 200000.000
MIBK	<12.900
MXYLEN	<1.350
NA	501000.000
NIT	5130.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	393000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	131.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37333
AQUIFER: ALLUVIUM
SCREENED INT.: 38.4- 47.7
BEDROCK DEPTH: 47.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	80100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	13.500
CL	394000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.205
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	4740.000
MEC6H5	<1.210
MG	10500.000
MIBK	<12.900
MXYLEN	<1.350
NA	233000.000
NIT	3330.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	157000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 37334
AQUIFER: ALLUVIUM
SCREENED INT.: 42.3- 67.3
BEDROCK DEPTH: 64.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	72000.000
CL6CP	<0.083
CLC6H5	3.710
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.169
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	64800.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37335
AQUIFER: ALLUVIUM
SCREENED INT.: 38.2- 57.6
BEDROCK DEPTH: 51.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	1.740
CA	69800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	112000.000
CL6CP	<0.070
CLC6H5	8.550
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.065
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	2430.000
MEC6H5	<1.210
MG	13600.000
MIBK	<12.900
MXYLEN	<1.350
NA	80900.000
NIT	255.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	54400.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	39.800

WELL 37336
AQUIFER: ALLUVIUM
SCREENED INT.: 19.3- 38.9
BEDROCK DEPTH: 39.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	9.230
CL	225000.000
CL6CP	<0.083
CLC6H5	6.910
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.082
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1360.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	159000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 7337

AQUIFER: ALLUVIUM
SCREENED INT.: 25.8- 40.3
BEDROCK DEPTH: 32.1
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	63000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.068
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	123000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 37338

AQUIFER: ALLUVIUM
SCREENED INT.: 6.8- 29.2
BEDROCK DEPTH: 23.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	1.490
CA	127000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	148000.000
CL6CP	<0.070
CLC6H5	8.370
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.062
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1400.000
HG	<0.240
ISODR	<0.060
K	16000.000
MEC6H5	<1.210
MG	41900.000
MIBK	<12.900
MXYLEN	<1.350
NA	180000.000
NIT	1040.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	392000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	25.600

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37339
AQUIFER: ALLUVIUM
SCREENED INT.: 11.7- 22.3
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	537000.000
CCL4	<2.400
CD	<5.160
CH2CL2	[illegible].000
CHCL3	<1.400
CL	2020000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	515.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	4230.000
HG	<0.240
ISODR	<0.060
K	3510.000
MEC6H5	<1.210
MG	167000.000
MIBK	<12.900
MXYLEN	<1.350
NA	1060000.000
NIT	9230.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	2180000.000
T12DCE	<1.200
TCLEI	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	93.900

WELL 37340
AQUIFER: ALLUVIUM
SCREENED INT.: 23.5- 34.1
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	.
AS	.
BTZ	.
C6H6	<1.340
CA	.
CCL4	<2.400
CD	.
CH2CL2	<5.000
CHCL3	<1.400
CL	.
CL6CP	.
CLC6H5	<0.580
CLDAN	.
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	.
DIMP	.
DITH	.
DLDRN	.
DMDS	.
DMMP	.
ENDRN	.
ETC6H5	<1.280
FL	.
HG	.
ISODR	.
K	.
MEC6H5	<1.210
MG	.
MIBK	.
MXYLEN	<1.350
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	.
PPDDT	.
SO4	.
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL		WELL	
7341	AQUIFER: ALLUVIUM SCREENED INT.: 20.3- 50.7 BEDROCK DEPTH: 48.0 BEDROCK LITH.: SS SCREENED ZONE: ALLUVIUM	37342	AQUIFER: ALLUVIUM SCREENED INT.: 12.9- 29.0 BEDROCK DEPTH: 27.5 BEDROCK LITH.: SH SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION	COMPOUND	CONCENTRATION
111TCE	<1.700	111TCE	<1.700
112TCE	<1.000	112TCE	<1.000
11DCE	<1.100	11DCE	<1.100
11DCLE	<1.200	11DCLE	<1.200
12DCLE	<0.610	12DCLE	1.470
ALDRN	<0.070	ALDRN	<0.070
AS	<3.070	AS	<3.070
BTZ	<2.000	BTZ	<2.000
C6H6	<1.340	C6H6	<1.340
CA	65300.000	CA	311000.000
CCL4	<2.400	CCL4	<2.400
CD	<5.160	CD	<5.160
CH2CL2	<5.000	CH2CL2	<5.000
CHCL3	<1.400	CHCL3	<1.400
CL	47500.000	CL	576000.000
CL6CP	<0.070	CL6CP	<0.070
CLC6H5	2.420	CLC6H5	<0.580
CLDAN	.	CLDAN	.
CPMS	<1.300	CPMS	<1.300
CPMSO	<4.200	CPMSO	<4.200
CPMSO2	<4.700	CPMSO2	<4.700
CR	<5.960	CR	<5.960
CU	<7.940	CU	<7.940
DBCP	<0.130	DBCP	<0.130
DCPD	<9.310	DCPD	<9.310
DIMP	<10.500	DIMP	41.100
DITH	<1.100	DITH	<1.100
DLDRN	<0.060	DLDRN	<0.060
DMDS	<1.800	DMDS	<1.800
DMMP	<30.400	DMMP	<15.200
ENDRN	<0.052	ENDRN	<0.052
ETC6H5	<1.280	ETC6H5	<1.280
FL	<1220.000	FL	1460.000
HG	<0.480	HG	<0.240
ISODR	<0.060	ISODR	<0.060
K	4280.000	K	6130.000
MEC6H5	<1.210	MEC6H5	<1.210
MG	13100.000	MG	74500.000
MIBK	<12.900	MIBK	<12.900
MXYLEN	<1.350	MXYLEN	<1.350
NA	60700.000	NA	444000.000
NIT	725.000	NIT	5650.000
OXAT	<2.000	OXAT	<2.000
PB	<18.600	PB	<18.600
PPDDE	<0.053	PPDDE	<0.053
PPDDT	<0.070	PPDDT	<0.070
SO4	103000.000	SO4	883000.000
T12DCE	<1.200	T12DCE	<1.200
TCLEE	<1.300	TCLEE	2.200
TRCLE	<1.100	TRCLE	<1.100
XYLEN	<2.470	XYLEN	<2.470
ZN	<20.100	ZN	82.900

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37343
AQUIFER: ALLUVIUM
SCREENED INT.: 3.7- 35.1
BEDROCK DEPTH: 35.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	2.240
ALDRN	<0.070
AS	3.900
BTZ	<2.000
C6H6	<1.340
CA	144000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	333000.000
CL6CP	<0.070
CLC6H5	8.930
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	26.700
DBCP	<0.130
DCPD	16.800
DIMP	966.000
DITH	1.830
DLDRN	<0.060
DMDS	<1.800
DMMP	<152.000
ENDRN	<0.052
ETC6H5	<1.280
FL	1600.000
HG	<0.240
ISODR	<0.060
K	4590.000
MEC6H5	<1.210
MG	54000.000
MIBK	<12.900
MXYLEN	<1.350
NA	270000.000
NIT	190.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	428000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	24.400

WELL 37344
AQUIFER: ALLUVIUM
SCREENED INT.: 15.5- 40.9
BEDROCK DEPTH: 42.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	13.700
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	1.720
CA	177000.000
CCL4	9.880
CD	<5.160
CH2CL2	<5.000
CHCL3	1370.000
CL	402000.000
CL6CP	<0.070
CLC6H5	6.530
CLDAN	.
CPMS	3.290
CPMSO	110.000
CPMSO2	<4.700
CR	<5.960
CU	22.100
DBCP	10.600
DCPD	<9.310
DIMP	1160.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<380.000
ENDRN	<0.052
ETC6H5	<1.280
FL	1350.000
HG	<0.480
ISODR	<0.060
K	4740.000
MEC6H5	<1.210
MG	48800.000
MIBK	<12.900
MXYLEN	<1.350
NA	292000.000
NIT	2670.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	495000.000
T12DCE	<1.200
TCLEE	115.000
TRCLE	7.060
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37345
AQUIFER: ALLUVIUM
SCREENED INT.: 16.4- 37.1
BEDROCK DEPTH: 37.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	74700.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	52000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1270.000
HG	<0.240
ISODR	<0.060
K	1660.000
MEC6H5	<1.210
MG	16200.000
MIBK	<12.900
MXYLEN	<1.350
NA	69500.000
NIT	668.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	153000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	77.100

WELL 37346
AQUIFER: ALLUVIUM
SCREENED INT.: 8.6- 24.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	91800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	73900.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	52.200
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	3660.000
MEC6H5	<1.210
MG	17200.000
MIBK	<12.900
MXYLEN	<1.350
NA	71800.000
NIT	722.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	159000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	42.800

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37347

AQUIFER: ALLUVIUM
SCREENED INT.: 23.2- 33.8
BEDROCK DEPTH: 33.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	70500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	55500.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	33.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	3050.000
MEC6H5	<1.210
MG	16000.000
MIBK	<12.900
MXYLEN	<1.350
NA	69500.000
NIT	1180.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	112000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	52.200

WELL 37348

AQUIFER: ALLUVIUM
SCREENED INT.: 16.4- 42.0
BEDROCK DEPTH: 41.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	148000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	189000.000
CL6CP	<0.070
CLC6H5	2.050
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1470.000
HG	<0.480
ISODR	<0.060
K	2430.000
MEC6H5	<1.210
MG	35100.000
MIBK	<12.900
MXYLEN	<1.350
NA	124000.000
NIT	4010.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	334000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	34.600

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL '7349
AQUIFER: ALLUVIUM
SCREENED INT.: 23.2- 43.6
BEDROCK DEPTH: 44.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	181000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	277000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	456.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1250.000
HG	<0.240
ISODR	<0.060
K	3050.000
MEC6H5	<1.210
MG	47100.000
MIBK	<12.900
MXYLEN	<1.350
NA	127000.000
NIT	6790.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	311000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	116.000

WELL 37350
AQUIFER: ALLUVIUM
SCREENED INT.: 26.9- 52.3
BEDROCK DEPTH: 52.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	114000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	2.120
CL	86100.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	16.600
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.480
ISODR	<0.060
K	3660.000
MEC6H5	<1.210
MG	30200.000
MIBK	<12.900
MXYLEN	<1.350
NA	83400.000
NIT	7010.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	218000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37351
AQUIFER: ALLUVIUM
SCREENED INT.: 17.9- 38.5
BEDROCK DEPTH: 36.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	139000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	128000.000
CL6CP	<0.070
CLC6H5	<1.730
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	12.400
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<30.400
ENDRN	<0.052
ETC6H5	<1.280
FL	1690.000
HG	<0.480
ISODR	<0.060
K	1840.000
MEC6H5	<1.210
MG	38000.000
MIBK	<12.900
MXYLEN	<1.350
NA	135000.000
NIT	7890.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	206000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 37352
AQUIFER: ALLUVIUM
SCREENED INT.: 29.8- 38.3
BEDROCK DEPTH: 37.9
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	112000.000
CCL4	<2.400
CD	<5.160
CH2CL2	9.970
CHCL3	<1.400
CL	82200.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1380.000
HG	<0.240
ISODR	<0.060
K	<1260.000
MEC6H5	<1.210
MG	28200.000
MIBK	<12.900
MXYLEN	<1.350
NA	112000.000
NIT	3360.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	177000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	37.900

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 7353
AQUIFER: ALLUVIUM
SCREENED INT.: 27.1- 42.4
BEDROCK DEPTH: 44.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	119000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	119000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	103.000
DITH	<1.100
DLDRN	0.156
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	1690.000
MEC6H5	<1.210
MG	32500.000
MIBK	<12.900
MXYLEN	<1.350
NA	135000.000
NIT	4030.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	187000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.[illegible]00
XYLEN	<2.470
ZN	97.900

WELL 37354
AQUIFER: ALLUVIUM
SCREENED INT.: 13.8- 49.1
BEDROCK DEPTH: 49.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	1.510
CA	108000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	3.380
CL	87300.000
CL6CP	<0.070
CLC6H5	7.340
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	13.100
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1300.000
HG	<0.480
ISODR	<0.060
K	2150.000
MEC6H5	<1.210
MG	28200.000
MIBK	<12.900
MXYLEN	<1.350
NA	106000.000
NIT	7750.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	160000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	22.600

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37355

AQUIFER: ALLUVIUM
SCREENED INT.: 11.1- 71.7
BEDROCK DEPTH: 70.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	9.590
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	148000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	3.250
CL	196000.000
CL6CP	<0.070
CLC6H5	5.790
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	11.100
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.116
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1640.000
HG	<0.240
ISODR	<0.060
K	2000.000
MEC6H5	<1.210
MG	37000.000
MIBK	<12.900
MXYLEN	<1.350
NA	157000.000
NIT	6270.000
OXAT	<2.000
PB	24.500
PPDDE	<0.053
PPDDT	<0.070
SO4	208000.000
T12DCE	<1.200
TCLEE	1.480
TRCLE	<1.100
XYLEN	<2.470
ZN	35.200

WELL 37356

AQUIFER: ALLUVIUM
SCREENED INT.: 8.3- 38.4
BEDROCK DEPTH: 38.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	106000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	95000.000
CL6CP	<0.070
CLC6H5	7.390
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	57.400
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	3390.000
MEC6H5	<1.210
MG	25900.000
MIBK	<12.900
MXYLEN	<1.350
NA	111000.000
NIT	4680.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	155000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	29.900

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37357
AQUIFER: ALLUVIUM
SCREENED INT.: 4.5- 19.7
BEDROCK DEPTH: 19.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	121000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	24.300
CL	126000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	29.600
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	6640.000
MEC6H5	<1.210
MG	32900.000
MIBK	<12.900
MXYLEN	<1.350
NA	137000.000
NIT	10300.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	192000.000
T12DCE	<1.200
TCLEE	3.390
TRCLE	<1.100
XYLEN	<2.470
ZN	67.400

WELL 37358
AQUIFER: ALLUVIUM
SCREENED INT.: 44.3- 59.9
BEDROCK DEPTH: 59.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	135000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	73800.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	2150.000
MEC6H5	<1.210
MG	15000.000
MIBK	<12.900
MXYLEN	<1.350
NA	73200.000
NIT	3460.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	123000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37359
AQUIFER: ALLUVIUM
SCREENED INT.: 23.2- 43.7
BEDROCK DEPTH: 42.9
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	3.700
112TCE	<1.000
11DCE	<1.100
11DCLE	2.310
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	229000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	134000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.100
DLDRN	.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	4470.000
MEC6H5	<1.210
MG	31800.000
MIBK	<12.900
MXYLEN	<1.350
NA	165000.000
NIT	9060.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	333000.000
T12DCE	1.260
TCLEE	3.950
TRCLE	5.130
XYLEN	<2.470
ZN	<20.100

WELL 37360
AQUIFER: ALLUVIUM
SCREENED INT.: 26.4-101.9
BEDROCK DEPTH: 101.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	137000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	62200.000
CL6CP	<0.070
CLC6H5	7.520
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	2920.000
MEC6H5	<1.210
MG	14900.000
MIBK	<12.900
MXYLEN	<1.350
NA	71900.000
NIT	8900.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	132000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37361
AQUIFER: ALLUVIUM
SCREENED INT.: 21.7- 92.3
BEDROCK DEPTH: 92.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	1.530
CA	120000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	62300.000
CL6CP	<0.070
CLC6H5	7.760
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	2000.000
MEC6H5	<1.210
MG	15600.000
MIBK	<12.900
MXYLEN	<1.350
NA	81100.000
NIT	7890.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	143000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	22.800

WELL 37362
AQUIFER: ALLUVIUM
SCREENED INT.: 34.5- 45
BEDROCK DEPTH: 42.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATIO
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	158000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	234000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1770.000
HG	<0.240
ISODR	<0.060
K	2460.000
MEC6H5	<1.210
MG	53800.000
MIBK	<12.900
MXYLEN	<1.350
NA	314000.000
NIT	1700.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	449000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	55.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37363
AQUIFER: ALLUVIUM
SCREENED INT.: 6.9- 32.2
BEDROCK DEPTH: 32.1
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	105000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	98600.000
CL6CP	<0.070
CLC6H5	9.420
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	2460.000
MEC6H5	<1.210
MG	23600.000
MIBK	<12.900
MXYLEN	<1.350
NA	111000.000
NIT	870.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	180000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 37364
AQUIFER: ALLUVIUM
SCREENED INT.: 6.8- 27.3
BEDROCK DEPTH: 28.9
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	6.200
BTZ	<2.000
C6H6	<1.340
CA	36200.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	31800.000
CL6CP	<0.070
CLC6H5	4.690
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1200.000
HG	<0.240
ISODR	<0.060
K	4160.000
MEC6H5	<1.210
MG	7410.000
MIBK	<12.900
MXYLEN	<1.350
NA	57400.000
NIT	1280.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	70100.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37366
AQUIFER: ALLUVIUM
SCREENED INT.: 2.2- 17.2
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	137000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	45200.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.072
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	3850.000
MEC6H5	<1.210
MG	25600.000
MIBK	<12.900
MXYLEN	<1.350
NA	127000.000
NIT	7240.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	106000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	72.000

WELL 37367
AQUIFER: ALLUVIUM
SCREENED INT.: 11.5- 38.4
BEDROCK DEPTH: 38.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	2.920
CA	158000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	127.000
CL	201000.000
CL6CP	<0.083
CLC6H5	9.230
CLDAN	<0.152
CPMS	4.160
CPMSO	113.000
CPMSO2	4.310
CR	<5.960
CU	<7.940
DBCP	2.570
DCPD	<9.310
DIMP	397.000
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2050.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	50900.000
MIBK	<12.900
MXYLEN	<1.040
NA	265000.000
NIT	2820.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	578000.000
T12DCE	<1.750
TCLEE	35.800
TRCLE	4.100
XYLEN	<1.340
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37368
AQUIFER: ALLUVIUM
SCREENED INT.: 18.1- 34.3
BEDROCK DEPTH: 34.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	2.560
BTZ	<1.140
C6H6	2.630
CA	367000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	29.900
CL	690000.000
CL6CP	<0.083
CLC6H5	11.500
CLDAN	<0.152
CPMS	<1.080
CPMSO	3.430
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	1.110
DCPD	<9.310
DIMP	55.700
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2580.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	96500.000
MIBK	<12.900
MXYLEN	<1.040
NA	384000.000
NIT	9020.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	784000.000
T12DCE	<1.750
TCLEE	16.000
TRCLE	1.930
XYLEN	<1.340
ZN	<20.100

WELL 37369
AQUIFER: ALLUVIUM
SCREENED INT.: 4.1- 25.2
BEDROCK DEPTH: 25.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	3.000
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	210000.000
CL6CP	<0.083
CLC6H5	8.880
CLDAN	<0.152
CPMS	<1.080
CPMSO	8.590
CPMSO2	4.110
CR	.
CU	.
DBCP	<0.130
DCPD	59.400
DIMP	251.000
DITH	<3.340
DLDRN	0.333
DMDS	<1.160
DMMP	<76.000
ENDRN	0.428
ETC6H5	<0.620
FL	2690.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	391000.000
T12DCE	<1.750
TCLEE	8.960
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 7370
AQUIFER: ALLUVIUM
SCREENED INT.: 4.4- 25.8
BEDROCK DEPTH: 25.8
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	2.720
BTZ	<1.140
C6H6	8.430
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	568000.000
CL6CP	<0.083
CLC6H5	27.300
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.230
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	278.000
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<76.000
ENDRN	<0.060
ETC6H5	<0.620
FL	2550.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	899000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	2.650
XYLEN	<1.340
ZN	.

WELL 37371
AQUIFER: DENVER
SCREENED INT.: 28.3- 39.0
BEDROCK DEPTH: 26.0
BEDROCK LITH.:
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	231000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	<1.880
CL	467000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	1100.000
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2590.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	61900.000
MIBK	<12.900
MXYLEN	<1.040
NA	428000.000
NIT	838.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	700000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37372
AQUIFER: DENVER
SCREENED INT.: 61.5- 88.5
BEDROCK DEPTH: 26.0
BEDROCK LITH.:
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	10.300
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	<1.080
CL	57800.000
CL6CP	<0.083
CLC6H5	42.400
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.230
CR	.
CU	.
DBCP	0.207
DCPD	<9.310
DIMP	.
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	.
ENDRN	<0.060
ETC6H5	<0.620
FL	2350.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	370000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	2.830
XYLEN	<1.340
ZN	.

WELL 37373
AQUIFER: ALLUVIUM
SCREENED INT.: 4.3- 25.7
BEDROCK DEPTH: 25.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	18.200
ALDRN	<0.083
AS	3.650
BTZ	<1.140
C6H6	<1.920
CA	329000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	<1.880
CL	744000.000
CL6CP	<0.083
CLC6H5	3.560
CLDAN	<0.152
CPMS	<1.080
CPMSO	4.090
CPMSO2	16.100
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	430.000
DIMP	.
DITH	19.300
DLDRN	<0.054
DMDS	<1.160
DMMP	.
ENDRN	<0.060
ETC6H5	<0.620
FL	2620.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	108000.000
MIBK	<12.900
MXYLEN	<1.040
NA	589000.000
NIT	59.600
OXAT	5.100
FB	<18.600
PPDDE	0.113
PPDDT	0.110
SO4	921000.000
T12DCE	<1.750
TCLEE	15.700
TRCLE	3.570
XYLEN	<1.340
ZN	29.800

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37374
AQUIFER: ALLUVIUM
SCREENED INT.: 8.7- 24.9
BEDROCK DEPTH: 26.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	2.790
BTZ	<1.140
C6H6	2.680
CA	557000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	2.930
CL	386000.000
CL6CP	<0.083
CLC6H5	13.300
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	445.000
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	4170.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	160000.000
MIBK	<12.900
MXYLEN	<1.040
NA	754000.000
NIT	938.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	2140000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	<20.100

WELL 37376
AQUIFER: DENVER
SCREENED INT.: 40.3- 51.0
BEDROCK DEPTH: 31.0
BEDROCK LITH.:
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	3.640
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	14800.000
CL6CP	<0.083
CLC6H5	33.000
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	192000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	1.380
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37377
AQUIFER: ALLUVIUM
SCREENED INT.: 22.7- 38.9
BEDROCK DEPTH: 39.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	5.800
CA	151000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	2.250
CL	165000.000
CL6CP	<0.083
CLC6H5	22.700
CLDAN	<0.152
CPMS	<1.080
CPMSO	3.070
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	63.100
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2340.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	56900.000
MIBK	<12.900
MXYLEN	<1.040
NA	229000.000
NIT	697.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	506000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	1.710
XYLEN	<1.340
ZN	29.400

WELL 37378
AQUIFER: ALLUVIUM
SCREENED INT.: 23.8- 34.7
BEDROCK DEPTH: 35.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	2.680
BTZ	<1.140
C6H6	3.140
CA	113000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	<1.880
CL	104000.000
CL6CP	<0.083
CLC6H5	12.600
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<3.340
DLDRN	0.073
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1360.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	36800.000
MIBK	<12.900
MXYLEN	<1.040
NA	173000.000
NIT	1350.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	327000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37379
AQUIFER: DENVER
SCREENED INT.: 39.3- 55.5
BEDROCK DEPTH: 27.0
BEDROCK LITH.:
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	5.760
CA	272000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	<1.880
CL	418000.000
CL6CP	<0.083
CLC6H5	17.800
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	47.100
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	41900.000
MIBK	<12.900
MXYLEN	<1.040
NA	729000.000
NIT	2070.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1450000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	1.370
XYLEN	<1.340
ZN	210.000

WELL 37380
AQUIFER: DENVER
SCREENED INT.: 64.3- 75.0
BEDROCK DEPTH: 27.0
BEDROCK LITH.:
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	3.650
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	412000.000
CL6CP	<0.083
CLC6H5	15.400
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	0.191
DCPD	<9.310
DIMP	<10.500
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2100.000
HG	<0.359
ISODR	<0.056
K	5580.000
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1100000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37381
AQUIFER: ALLUVIUM
SCREENED INT.: 7.3- 28.5
BEDROCK DEPTH: 28.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	600000.000
CCL4	<1.690
CD	8.580
CH2CL2	<2.480
CHCL3	<1.880
CL	1060000.000
CL6CP	<0.083
CLC6H5	2.680
CLDAN	<0.152
CPMS	<1.080
CPMSO	3.640
CPMSO2	<2.240
CR	52.400
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	.
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	.
ENDRN	<0.060
ETC6H5	<0.620
FL	3650.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	148000.000
MIBK	<12.900
MXYLEN	<1.040
NA	504000.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1420000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	40.900

WELL 37383
AQUIFER: ALLUVIUM
SCREENED INT.: 17.6- 39.0
BEDROCK DEPTH: 50.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	3.170
CA	162000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	<1.880
CL	131000.000
CL6CP	<0.083
CLC6H5	11.400
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	51.300
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1580.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	49900.000
MIBK	<12.900
MXYLEN	<1.040
NA	233000.000
NIT	2280.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	570000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 7387
AQUIFER: DENVER
SCREENED INT.: 36.8- 42.6
BEDROCK DEPTH: 17.0
BEDROCK LITH.:
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	73.800
CA	206000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	8.620
CL	303000.000
CL6CP	<0.083
CLC6H5	74.700
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	8.140
CU	<7.940
DBCP	0.779
DCPD	<9.310
DIMP	<10.500
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	1.320
FL	3220.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	35600.000
MIBK	<12.900
MXYLEN	1.370
NA	1170000.000
NIT	17200.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	2350000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	8.680
XYLEN	3.600
ZN	<20.100

WELL 37388
AQUIFER: DENVER
SCREENED INT.: 69.8- 86.0
BEDROCK DEPTH: 17.0
BEDROCK LITH.:
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	10.100
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	403000.000
CL6CP	<0.083
CLC6H5	32.800
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.230
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2650.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1580000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	1.830
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

	WELL 37389	WELL 37390
AQUIFER:	ALLUVIUM	DENVER
SCREENED INT.:	8.4- 35.2	40.1- 46.0
BEDROCK DEPTH:	23.5	23.5
BEDROCK LITH.:		
SCREENED ZONE:	ALLUVIUM	3

COMPOUND	CONCENTRATION (37389)	CONCENTRATION (37390)
111TCE	<1.090	<1.090
112TCE	<1.630	<1.630
11DCE	<1.850	<1.850
11DCLE	<1.930	<1.930
12DCLE	<2.070	<2.070
ALDRN	<0.083	<0.083
AS	<2.500	<2.500
BTZ	<1.140	<1.140
C6H6	<1.920	8.500
CA	141000.000	.
CCL4	<1.690	<1.690
CD	<5.160	.
CH2CL2	<2.480	<2.480
CHCL3	56.500	<1.880
CL	217000.000	55700.000
CL6CP	<0.083	<0.083
CLC6H5	2.740	23.700
CLDAN	<0.152	<0.152
CPMS	<1.080	<1.080
CPMSO	9.520	<1.980
CPMSO2	5.490	<2.240
CR	<5.960	.
CU	<7.940	.
DBCP	0.400	<0.130
DCPD	<9.310	<9.310
DIMP	343.000	.
DITH	<3.340	<3.340
DLDRN	<0.054	<0.054
DMDS	<1.160	<1.160
DMMP	<15.200	.
ENDRN	<0.060	<0.060
ETC6H5	<0.620	<0.620
FL	2190.000	<1000.000
HG	.	.
ISODR	<0.056	<0.056
K	.	.
MEC6H5	<2.100	<2.100
MG	53800.000	.
MIBK	<12.900	<12.900
MXYLEN	<1.040	<1.040
NA	219000.000	.
NIT	163.000	.
OXAT	<1.350	<1.350
PB	<18.600	.
PPDDE	<0.046	<0.046
PPDDT	<0.059	<0.059
SO4	405000.000	242000.000
T12DCE	<1.750	<1.750
TCLEE	28.500	<2.760
TRCLE	<1.310	<1.310
XYLEN	<1.340	<1.340
ZN	21.200	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 7391
AQUIFER: ALLUVIUM
SCREENED INT.: 19.7- 41.1
BEDROCK DEPTH: 40.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	2.260
ALDRN	<0.083
AS	3.320
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	79.300
CL	390000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	3.260
CPMSO	148.000
CPMSO2	5.920
CR	.
CU	.
DBCP	4.690
DCPD	<9.310
DIMP	> 2030.000
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<16.300
ENDRN	<0.060
ETC6H5	<0.620
FL	2070.000
HG	<0.500
ISODR	<0.056
K	4840.000
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	174000.000
T12DCE	<1.750
TCLEE	92.000
TRCLE	2.200
XYLEN	<1.340
ZN	.

WELL 37392
AQUIFER: ALLUVIUM
SCREENED INT.: 13.2- 29.4
BEDROCK DEPTH: 28.1
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	.
BTZ	.
C6H6	15.100
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	115.000
CL	112000.000
CL6CP	<0.203
CLC6H5	8.410
CLDAN	<0.152
CPMS	0.675
CPMSO	.
CPMSO2	4.490
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	29.000
DITH	1.250
DLDRN	0.095
DMDS	.
DMMP	<16.300
ENDRN	0.234
ETC6H5	1.420
FL	1980.000
HG	<0.500
ISODR	<0.056
K	2910.000
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	1.140
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	427000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	1.940
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL BOLLER
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	198000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	18.400
CL	177000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	10.100
CR	<5.960
CU	<7.940
DBCP	0.187
DCPD	<9.310
DIMP	133.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1280.000
HG	<0.480
ISODR	<0.060
K	2150.000
MEC6H5	<1.210
MG	55500.000
MIBK	<12.900
MXYLEN	<1.350
NA	281000.000
NIT	2780.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	615000.000
T12DCE	<1.200
TCLEE	5.720
TRCLE	1.250
XYLEN	<2.470
ZN	131.000

WELL CIII
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 58.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	167000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	91700.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.480
ISODR	<0.060
K	2610.000
MEC6H5	<1.210
MG	17800.000
MIBK	<12.900
MXYLEN	<1.350
NA	89300.000
NIT	9440.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	197000.000
T12DCE	<1.200
TCLEE	1.830
TPCLE	5.410
XYLEN	<2.470
ZN	66.900

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL II

AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	91600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	72800.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	18.900
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.480
ISODR	<0.060
K	1840.000
MEC6H5	<1.210
MG	24100.000
MIBK	<12.900
MXYLEN	<1.350
NA	108000.000
NIT	3740.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	130000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	49.200

WELL XXIA

AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	83800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	60300.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1320.000
HG	<0.480
ISODR	<0.060
K	1690.000
MEC6H5	<1.210
MG	23000.000
MIBK	<12.900
MXYLEN	<1.350
NA	91300.000
NIT	3450.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	115000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	161.000

APPENDIX D.2: EPA CHEMISTRY DATA

EPA WATER CHEMISTRY SUMMARY

WELL:EPA001 EPA LOCID:198DW001001 SAMPLE DATE:12/16/85

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
CL6CP	<10.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
DIMP	< 1.00
DBCP	< 0.004

EPA WATER CHEMISTRY SUMMARY

WELL:EPA004 EPA LOCID:198DW004001 SAMPLE DATE:12/17/85

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	9.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	68.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
CL6CP	<10.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
DIMP	< 1.00
DBCP	< 0.004

EPA WATER CHEMISTRY SUMMARY

WELL:EPA005 LOCID:198DW005001 SAMPLE DATE:12/17/85

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
CL6CP	<10.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
DIMP	< 1.00
DBCP	< 0.004

EPA WATER CHEMISTRY SUMMARY

WELL:EPA006 EPA LOCID:198DW006001 SAMPLE DATE:12/17/85

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	12.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
CL6CP	<10.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
DIMP	< 1.00
DBCP	< 0.004

EPA WATER CHEMISTRY SUMMARY

WELL: EPA007 EPA LOCID: 198DW007001 SAMPLE DATE: 12/17/85

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	6.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	10.00
CCL4	< 5.00
TRCLE	55.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	12.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
CL6CP	<10.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
DIMP	< 1.00
DBCP	< 0.004

EPA WATER CHEMISTRY SUMMARY

WELL:EPA008 EPA LOCID:198DW008001 SAMPLE DATE:12/17/85

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	10.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	92.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
CL6CP	<10.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
DBCP	< 0.004

EPA WATER CHEMISTRY SUMMARY

WELL:EPA010 EPA LOCID:198DW010001 SAMPLE DATE:12/18/85

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	6.00
T12DCE	10.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	58.00
CCL4	< 5.00
TRCLE	55.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	15.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
DIMP	< 3.50
CL6CP	<10.00
DBCP	< 0.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA011 EPA LOCID:198DW011001 SAMPLE DATE:12/18/85

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	7.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
DIMP	< 3.50
CL6CP	<10.00
DBCP	< 0.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA013 EPA LOCID:198DW013001 SAMPLE DATE:12/18/85

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
DIMP	< 3.50
CL6CP	<10.00
DBCP	< 0.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50

WELL:EPA017   EPA LOCID:198DW017001   SAMPLE DATE:12/19/85

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 0.50
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
DIMP	< 3.50
CL6CP	<10.00
DBCP	< 0.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA019 EPA LOCID:198DW019001 SAMPLE DATE:12/19/85

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	7.00
T12DCE	6.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	8.00
CCL4	< 5.00
TRCLE	10.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	8.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
DIMP	< 3.50
CL6CP	<10.00
DBCP	0.089
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA020 EPA LOCID:198DW020001 SAMPLE DATE:12/20/85

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	6.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	7.00
CCL4	< 5.00
TRCLE	12.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	8.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
DIMP	< 3.50
CL6CP	<10.00
DBCP	< 0.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA021 EPA LOCID:198DW021001 SAMPLE DATE:12/20/85

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
DIMP	< 3.50
CL6CP	<10.00
DBCP	< 0.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA023 EPA LOCID:198DW023001 SAMPLE DATE:01/14/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 6.00
CCL4	< 6.00
TRCLE	< 5.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
DIMP	< 10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA024 EPA LOCID:198DW024001 SAMPLE DATE:01/14/86

COMPOUND	CONCENTRATION
CH2CL2	< 8.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	6.00
TRCLE	< 5.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
DIMP	< 10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA025 EPA LOCID:198DW025001 SAMPLE DATE:01/13/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 6.00
CCL4	< 6.00
TRCLE	< 5.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
DIMP	< 10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA026 EPA LOCID:198DW026001 SAMPLE DATE:01/13/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	9.00
CCL4	< 6.00
TRCLE	39.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	11.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
DIMP	< 10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA028 EPA LOCID:198DW028001 SAMPLE DATE:01/13/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 6.00
TRCLE	19.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
DIMP	< 10.00

EPA WATER CHEMISTRY SUMMARY

WELL: EPA029 EPA LOCID: 198DW029001 SAMPLE DATE: 01/13/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 6.00
CCL4	< 6.00
TRCLE	< 5.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
DIMP	< 10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA030 EPA LOCID:198DW030001 SAMPLE DATE:01/15/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	7.00
11DCLE	8.00
T12DCE	6.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	11.00
CCL4	6.00
TRCLE	22.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	15.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
DIMP	< 10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA031   EPA LOCID:198DW031001   SAMPLE DATE:01/15/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	14.00
T12DCE	9.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 6.00
CCL4	< 6.00
TRCLE	6.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	< 10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
DIMP	< 10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA032 EPA LOCID:198DW032001 SAMPLE DATE:01/15/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 6.00
CCL4	< 6.00
TRCLE	13.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	<10.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25

EPA WATER CHEMISTRY SUMMARY

WELL:EPA033 EPA LOCID:198DW033001 SAMPLE DATE:01/14/86

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 6.00
TRCLE	6.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	<10.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25

WELL:EPA034 EPA LOCID:198DW034001 SAMPLE DATE:01/14/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	7.00
CCL4	< 6.00
TRCLE	8.00
112TCE	6.00
C6H6	< 1.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	<10.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25

EPA WATER CHEMISTRY SUMMARY

WELL:EPA035 EPA LOCID:198DW035001 SAMPLE DATE:01/16/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	9.00
11DCLE	10.00
T12DCE	13.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	20.00
CCL4	< 6.00
TRCLE	23.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	17.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<12.00
DIMP	<10.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25

EPA WATER CHEMISTRY SUMMARY

WELL:EPA036 EPA LOCID:198DW036001 SAMPLE DATE:01/16/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	11.00
11DCLE	10.00
T12DCE	15.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	26.00
CCL4	< 6.00
TRCLE	91.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	15.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 9.00
DIMP	<10.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25

EPA WATER CHEMISTRY SUMMARY

WELL:EPA037 EPA LOCID:198DW037001 SAMPLE DATE:01/16/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	9.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	48.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 2.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	<10.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.02
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25

EPA WATER CHEMISTRY SUMMARY

WELL:EPA038 EPA LOCID:198DW038001 SAMPLE DATE:01/16/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 6.00
CCL4	< 6.00
TRCLE	< 5.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	<10.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	0.02
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25

EPA WATER CHEMISTRY SUMMARY

WELL:EPA045 EPA LOCID:198DW045001 SAMPLE DATE:01/17/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 6.00
TRCLE	< 5.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	< 10.00
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
CLDAN	< 0.25
CL6CP	< 10.00
DBCP	< 0.11

EPA WATER CHEMISTRY SUMMARY

WELL:EPA046 EPA LOCID:198DW046001 SAMPLE DATE:01/17/86

COMPOUND	CONCENTRATION
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	<10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA047 EPA LOCI :198DW047001 SAMPLE DATE:01/17/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 6.00
TRCLE	6.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	<10.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25

EPA WATER CHEMISTRY SUMMARY

WELL:EPA048 EPA LOCID:198DW048001 SAMPLE DATE:01/17/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	10.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	6.00
CCL4	< 6.00
TRCLE	84.00
112TCE	< 6.00
C6H6	< 5.00
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	< 10.00
CL6CP	< 10.00
DBCP	< 0.11

EPA WATER CHEMISTRY SUMMARY

WELL:EPA051 EPA LOCID:198DW051001 SAMPLE DATE:01/20/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	12.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	10.00
CCL4	< 6.00
TRCLE	88.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	9.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	<10.00
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
CL6CP	<10.00
DBCP	< 0.11
TCLEE	<276.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA052 EPA LOCID:198DW052001 SAMPLE DATE:01/20/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 6.00
TRCLE	7.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
TCLEE	< 285.00
DIMP	< 10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA053 EPA LOCID:198DW053001 SAMPLE DATE:01/20/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 6.00
CCL4	11.00
TRCLE	< 5.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	<10.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.10
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25

EPA WATER CHEMISTRY SUMMARY

WELL:EPA055 EPA LOCID:198DW055001 SAMPLE DATE:05/30/86

COMPOUND	CONCENTRATION
CH2CL2	< 2.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	7.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA056 EPA LOCID:198DW056001 SAMPLE DATE:05/30/86

COMPOUND	CONCENTRATION
CH2CL2	< 3.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	34.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA058 EPA LOCID:198DW058001 SAMPLE DATE:06/02/86

COMPOUND	CONCENTRATION
CH2CL2	< 2.00
11DCE	< 5.00
11DCLE	6.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	9.00
CCL4	< 5.00
TRCLE	33.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	12.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA059 EPA LOCID:198DW059001 SAMPLE DATE:06/02/86

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	6.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	8.00
CCL4	< 5.00
TRCLE	15.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	11.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00
CL6CP	<15.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA060 EPA LOCID:198DW060001 SAMPLE DATE:06/20/86

COMPOUND	CONCENTRATION
CH2CL2	< 2.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	12.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	6.00
CCL4	< 5.00
TRCLE	53.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA062 EPA LOCID:198DW062001 SAMPLE DATE:06/03/86

COMPOUND	CONCENTRATION
CH2CL2	< 2.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	38.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA063 EPA LOCID:198DW063001 SAMPLE DATE:06/03/86

COMPOUND	CONCENTRATION
CH2CL2	< 2.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	14.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	120.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA066 EPA LOCID:198DW066001 SAMPLE DATE:06/03/86

COMPOUND	CONCENTRATION
CL6CP	<15.00
CH2CL2	< 2.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 2.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	23.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA067 EPA LOCID:198DW067001 SAMPLE DATE:06/04/86

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	8.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	< 15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	< 123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA068 EPA LOCID:198DW068001 SAMPLE DATE:06/04/86

COMPOUND	CONCENTRATION
CH2CL2	< 2.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA069 EPA LOCID:198DW069001 SAMPLE DATE:06/04/86

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	6.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA071 EPA LOCID:198DW071001 SAMPLE DATE:06/05/86

COMPOUND	CONCENTRATION
CH2CL2	< 1.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA072 EPA LOCID:198DW072001 SAMPLE DATE:06/05/86

COMPOUND	CONCENTRATION
CH2CL2	< 1.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	6.00
CCL4	< 5.00
TRCLE	56.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	7.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA073 EPA LOCID:198DW073001 SAMPLE DATE:06/05/86

COMPOUND	CONCENTRATION
CH2CL2	< 2.00
11DCE	7.00
11DCLE	10.00
T12DCE	13.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	17.00
CCL4	< 5.00
TRCLE	16.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	16.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA076 EPA LOCID:198DW076001 SAMPLE DATE:06/05/86

COMPOUND	CONCENTRATION
CH2CL2	< 3.00
11DCE	11.00
11DCLE	11.00
T12DCE	16.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	25.00
CCL4	< 5.00
TRCLE	110.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	21.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA010 EPA LOCID:198DW010002 SAMPLE DATE:03/03/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	12.00
T12DCE	85.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	130.00
CCL4	< 5.00
TRCLE	91.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	10.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA010   EPA LOCID:198DW010003   SAMPLE DATE:03/03/87

COMPOUND	CONCENTRATION
11DCE	1.00
11DCLE	9.40
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	92.00
TRCLE	95.00
TCLEE	6.60
C6H6	< 1.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA010 EPA LOCID:198DW010002 SAMPLE DATE:03/03/87

COMPOUND	CONCENTRATION
11DCE	1.20
11DCLE	10.00
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	95.00
TRCLE	100.00
TCLEE	7.20
C6H6	< 1.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA019 EPA LOCID:198DW019002 SAMPLE DATE:03/03/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	8.00
11DCLE	12.00
T12DCE	28.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	19.00
CCL4	< 5.00
TRCLE	14.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	16.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA019 EPA LOCID:198DW019002 SAMPLE DATE:03/03/87

COMPOUND	CONCENTRATION
11DCE	7.00
11DCLE	11.00
T12DCE	< 0.50
CHCL3	1.40
111TCE	14.00
TRCLE	13.00
TCLEE	14.00
C6H6	< 1.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA063 EPA LOCID:198DW063002 SAMPLE DATE:03/02/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	8.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	19.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA063 EPA LOCID:198DW063002 SAMPLE DATE:03/02/87

COMPOUND	CONCENTRATION
11DCE	< 0.50
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	< 0.50
TRCLE	19.00
TCLEE	< 0.50
C6H6	< 1.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA073 EPA LOCID:198DW073002 SAMPLE DATE:03/03/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	8.00
11DCLE	11.00
T12DCE	27.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	23.00
CCL4	< 5.00
TRCLE	16.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	18.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA073 EPA LOCID:198DW073002 SAMPLE DATE:03/03/87

COMPOUND	CONCENTRATION
11DCE	6.50
11DCLE	11.00
T12DCE	< 0.50
CHCL3	1.40
111TCE	13.00
TRCLE	12.00
TCLEE	8.80
C6H6	< 1.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA077 EPA LOCID:198DW077001 SAMPLE DATE:03/03/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	20.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	10.00
CCL4	< 5.00
TRCLE	66.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	6.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA077 EPA LOCID:198DW077001 SAMPLE DATE:03/03/87

COMPOUND	CONCENTRATION
11DCE	2.80
11DCLE	2.40
T12DCE	< 0.50
CHCL3	0.81
111TCE	6.00
TRCLE	83.00
TCLEE	4.40
C6H6	< 1.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA008G   EPA LOCID:198GW008011   SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA008G EPA LOCID:198GW008011 SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
11DCE	< 0.50
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	0.73
TRCLE	3.00
TCLEE	0.85
C6H6	< 0.50
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA009G   EPA LOCID:198GW009013   SAMPLE DATE:02/26/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	24.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA009G EPA LOCID:198GW009013 SAMPLE DATE:02/26/87

COMPOUND	CONCENTRATION
11DCE	0.66
11DCLE	0.95
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	< 0.50
TRCLE	29.00
TCLEE	1.50
C6H6	< 1.00
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA010G   EPA LOCID:198GW010011   SAMPLE DATE:02/26/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA010G   EPA LOCID:198GW010011   SAMPLE DATE:02/26/87

COMPOUND	CONCENTRATION
11DCE	< 0.50
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	< 0.50
TRCLE	2.30
TCLEE	1.10
C6H6	< 1.00
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA011G   EPA LOCID:198GW011009   SAMPLE DATE:02/26/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA012G   EPA LOCID:198G012012   SAMPLE DATE:02/27/87

COMPOUND	CONCENTRATION
11DCE	0.90
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	< 0.50
TRCLE	35.00
TCLEE	0.60
C6H6	< 1.00
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA014G   EPA LOCID:198GW014009   SAMPLE DATE:02/27/87

COMPOUND	CONCENTRATION
CH2CL2	< 7.00
11DCE	< 6.00
11DCLE	< 6.00
T12DCE	< 6.00
CHCL3	< 6.00
12DCLE	< 6.00
111TCE	< 6.00
CCL4	< 6.00
TRCLE	9.00
112TCE	< 6.00
C6H6	< 6.00
TCLEE	110.00
MEC6H4	< 6.00
CLC6H5	< 6.00
ETC6H5	< 6.00
XYLENE	< 6.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA011G   EPA LOCID:198GW011009   SAMPLE DATE:02/26/87

COMPOUND	CONCENTRATION
11DCE	< 0.50
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	< 0.50
TRCLE	< 0.50
TCLEE	< 0.50
C6H6	< 1.00
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA012G EPA LOCID:198GW012012 SAMPLE DATE:02/27/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	7.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	45.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA014G   EPA LOCID:198GW014009   SAMPLE DATE:02/27/87

COMPOUND	CONCENTRATION
11DCE	< 0.50
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	< 0.50
TRCLE	8.50
TCLEE	120.00
C6H6	< 1.00
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA015G EPA LOCID:198GW015011 SAMPLE DATE:02/27/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	19.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA015G   EPA LOCID:198GW015011   SAMPLE DATE:02/27/87

COMPOUND	CONCENTRATION
11DCE	1.30
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	< 0.50
TRCLE	12.00
TCLEE	0.56
C6H6	< 1.00
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA016G EPA LOCID:198GW016010 SAMPLE DATE:02/26/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	10.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA016G EPA LOCID:198GW016010 SAMPLE DATE:02/26/87

COMPOUND	CONCENTRATION
11DCE	1.40
11DCLE	2.00
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	2.80
TRCLE	12.00
TCLEE	3.50
C6H6	< 1.00
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA005M EPA LOCID:198MW005015 SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	9.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA005M   EPA LOCID:198MW005015   SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
11DCE	0.66
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	1.50
TRCLE	5.50
TCLEE	1.70
C6H6	< 0.50
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA005M   EPA LOCID:198MW005016   SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
11DCE	0.71
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	1.60
TRCLE	5.20
TCLEE	1.50
C6H6	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA012M   EPA LOCID:198MW012010   SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 4.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	6.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA012M   EPA LOCID:198MW012010   SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
11DCE	2.80
11DCLE	1.00
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	1.10
TRCLE	6.40
TCLEE	2.10
C6H6	< 0.50
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA012M EPA LOCID:198MW012010 SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
CL6CP	<20.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00
DBCP	< 0.10

EPA WATER CHEMISTRY SUMMARY

WELL:EPA012M EPA LOCID:198MW012011 SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
11DCE	2.80
11DCLE	0.89
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	0.58
TRCLE	4.80
TCLEE	1.40
C6H6	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA013M   EPA LOCID:198MW013012   SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
CH2CL2	6.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	8.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA013M   EPA LOCID:198MW013012   SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
11DCE	0.61
11DCLE	3.00
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	2.50
TRCLE	4.80
TCLEE	2.30
C6H6	< 0.50
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA013M   EPA LOCID:198MW013013   SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
11DCE	0.63
11DCLE	2.90
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	2.40
TRCLE	4.30
TCLEE	2.00
C6H6	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA014M   EPA LOCID:198MW014013   SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	7.00
T12DCE	8.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	12.00
CCL4	< 5.00
TRCLE	16.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	10.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00
DBCP	< 0.10

EPA WATER CHEMISTRY SUMMARY

WELL:EPA014M EPA LOCID:198MW014013 SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
11DCE	0.53
11DCLE	5.10
T12DCE	< 0.50
CHCL3	0.93
111TCE	8.30
TRCLE	12.00
TCLEE	5.70
C6H6	< 0.50
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA014M EPA LOCID:198MW014014 SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
11DCE	1.80
11DCLE	5.10
T12DCE	< 0.50
CHCL3	0.75
111TCE	8.00
TRCLE	12.00
TCLEE	5.70
C6H6	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA015M EPA LOCID:198MW015015 SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
CH2CL2	10.000
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	12.00
CCL4	< 5.00
TRCLE	16.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA015M   EPA LOCID:198MW015015   SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
11DCE	1.80
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	5.70
TRCLE	8.70
TCLEE	< 0.50
C6H6	< 0.50
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA015M   EPA LOCID:198MW015016   SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
11DCE	1.80
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	5.50
TRCLE	8.80
TCLEE	< 0.50
C6H6	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA015M EPA LOCID:198MW015017 SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	7.00
CCL4	< 5.00
TRCLE	11.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10

L.'A WATER CHEMISTRY SUMMARY

WELL:EPA015M EPA LOCID:198MW015017 SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA015M   EPA LOCID:198MW015017   SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
11DCE	1.80
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	5.70
TRCLE	8.60
TCLEE	< 0.50
C6H6	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA517M   EPA LOCID:198MW517005   SAMPLE DATE:02/27/87

COMPOUND	CONCENTRATION
11DCE	< 0.50
11DCLE	0.52
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	0.88
TRCLE	< 0.50
TCLEE	< 0.50
C6H6	< 1.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA517M   EPA LOCID:198MW517005   SAMPLE DATE:02/27/87

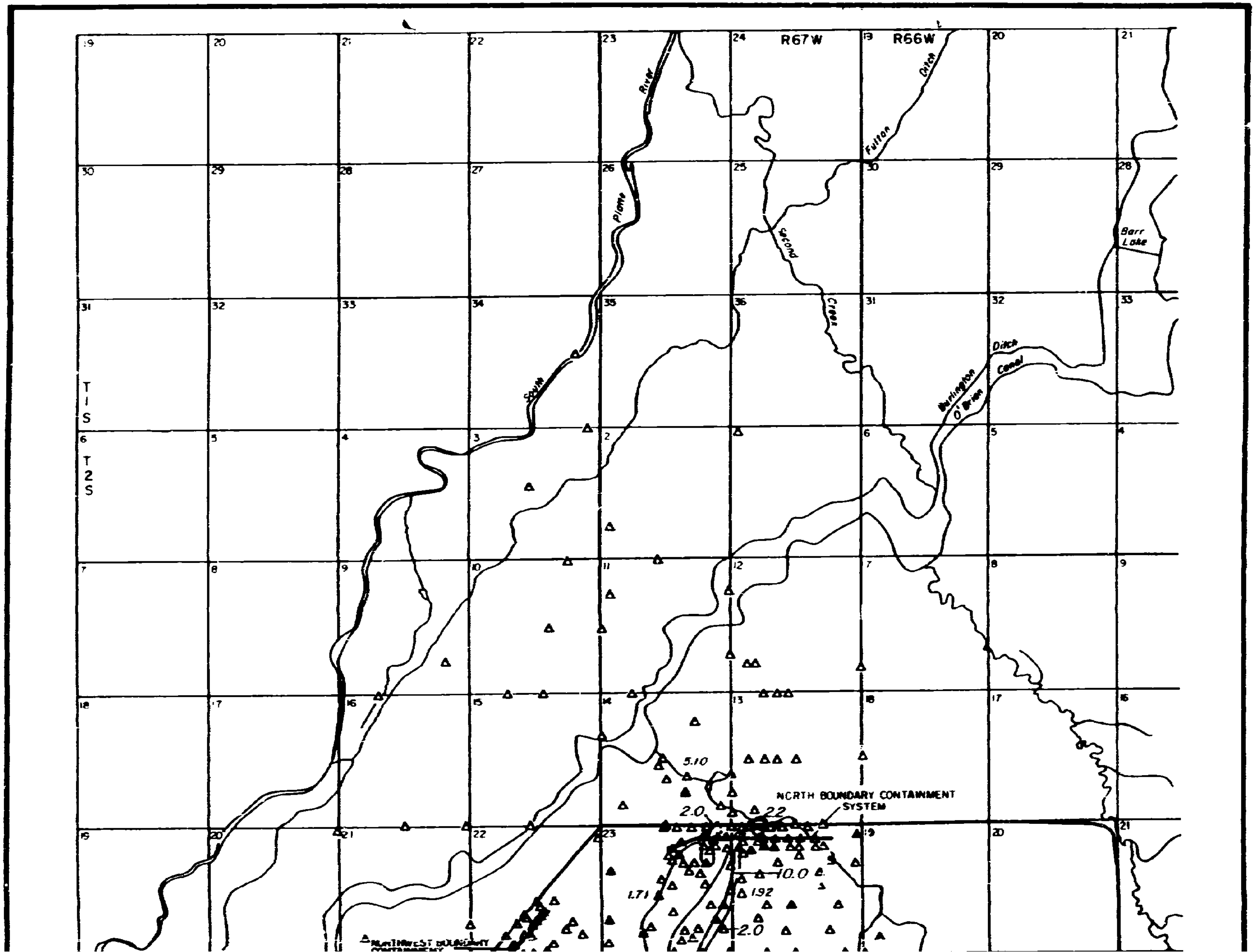
COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA517M EPA LOCID:198MW517006 SAMPLE DATE:02/27/87

COMPOUND	CONCENTRATION
11DCE	< 0.50
11DCLE	0.51
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	0.67
TRCLE	< 0.50
TCLEE	< 0.50
C6H6	< 1.00
DIMP	< 2.00
DCPD	< 5.00

APPENDIX D.3: ALLUVIAL/UNCONFINED PLUME MAPS
(D-1 TO D-9)



R67W
R66W
Fulton Ditch
Second Creek
Barr Lake
Burlington Ditch
O'Brien Canal
South Platte River
T 1 S
T 2 S
NORTH BOUNDARY CONTAINMENT SYSTEM
5.10
2.0
22
10.0
1.92
1.71

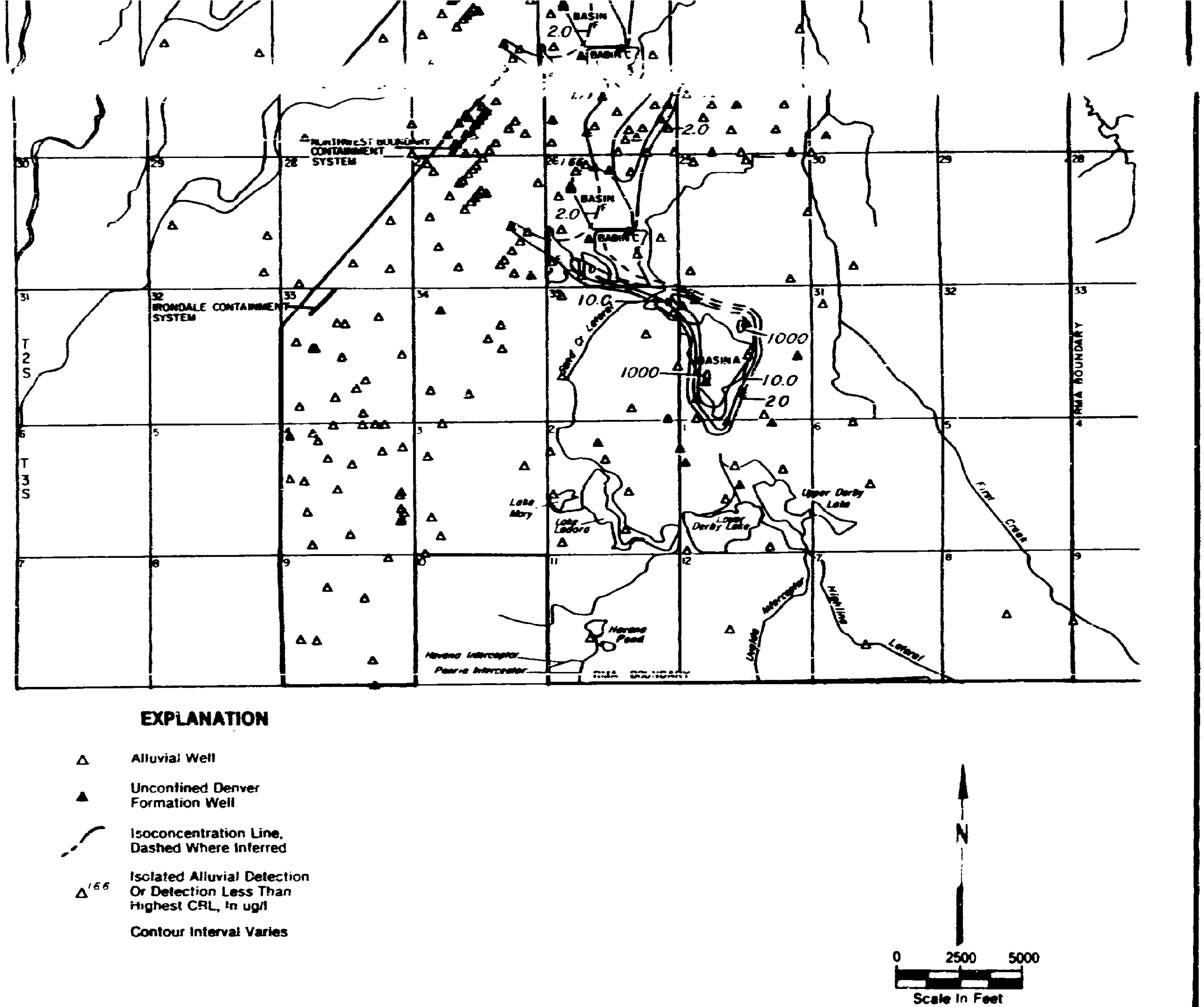
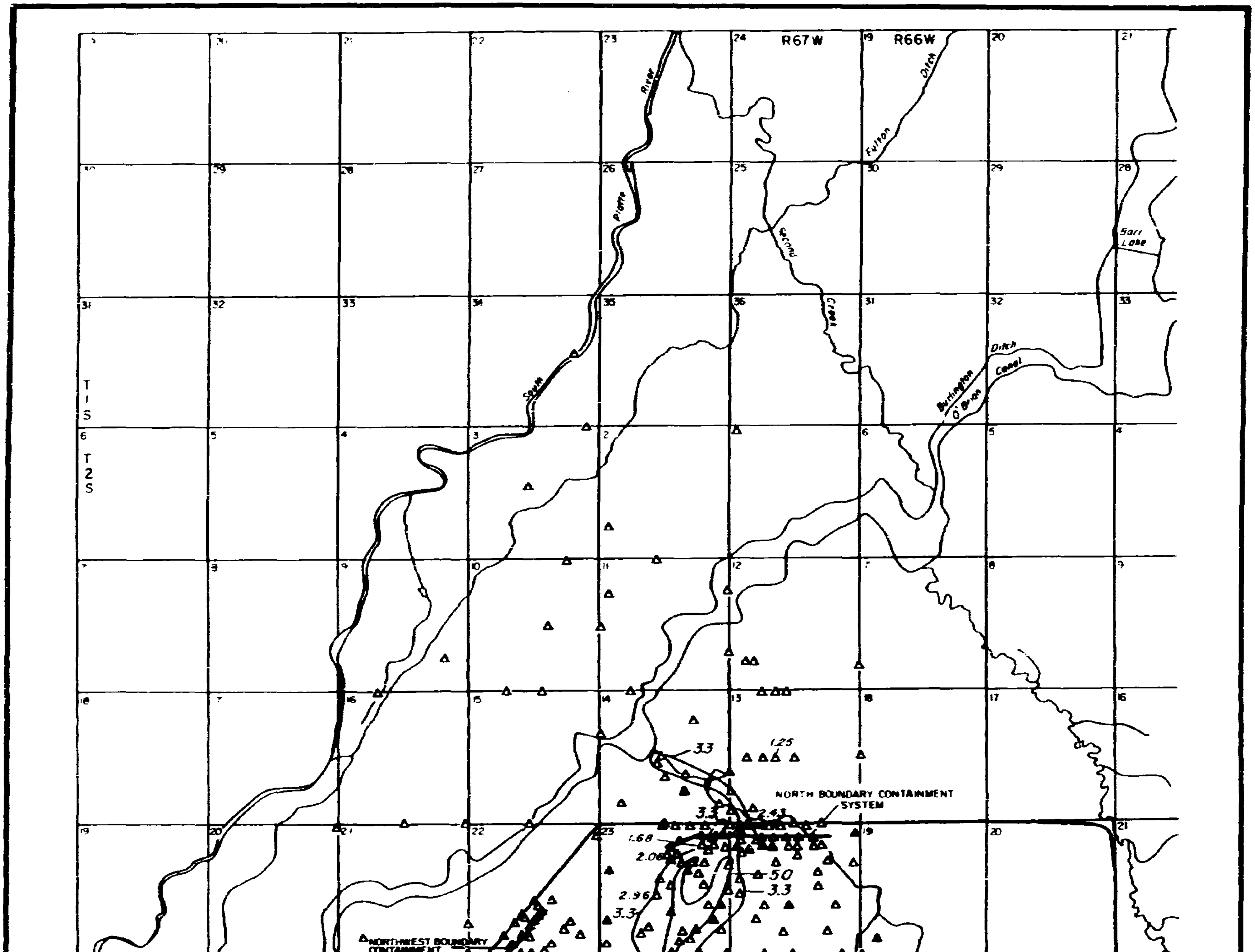


Figure D-1
OXATHIANE PLUMES UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



R67W
R66W
Fulton Ditch
Second Creek
South Platte River
Barr Lake
Burlington Ditch
O'Brian Canal
T 1 S
T 2 S
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT

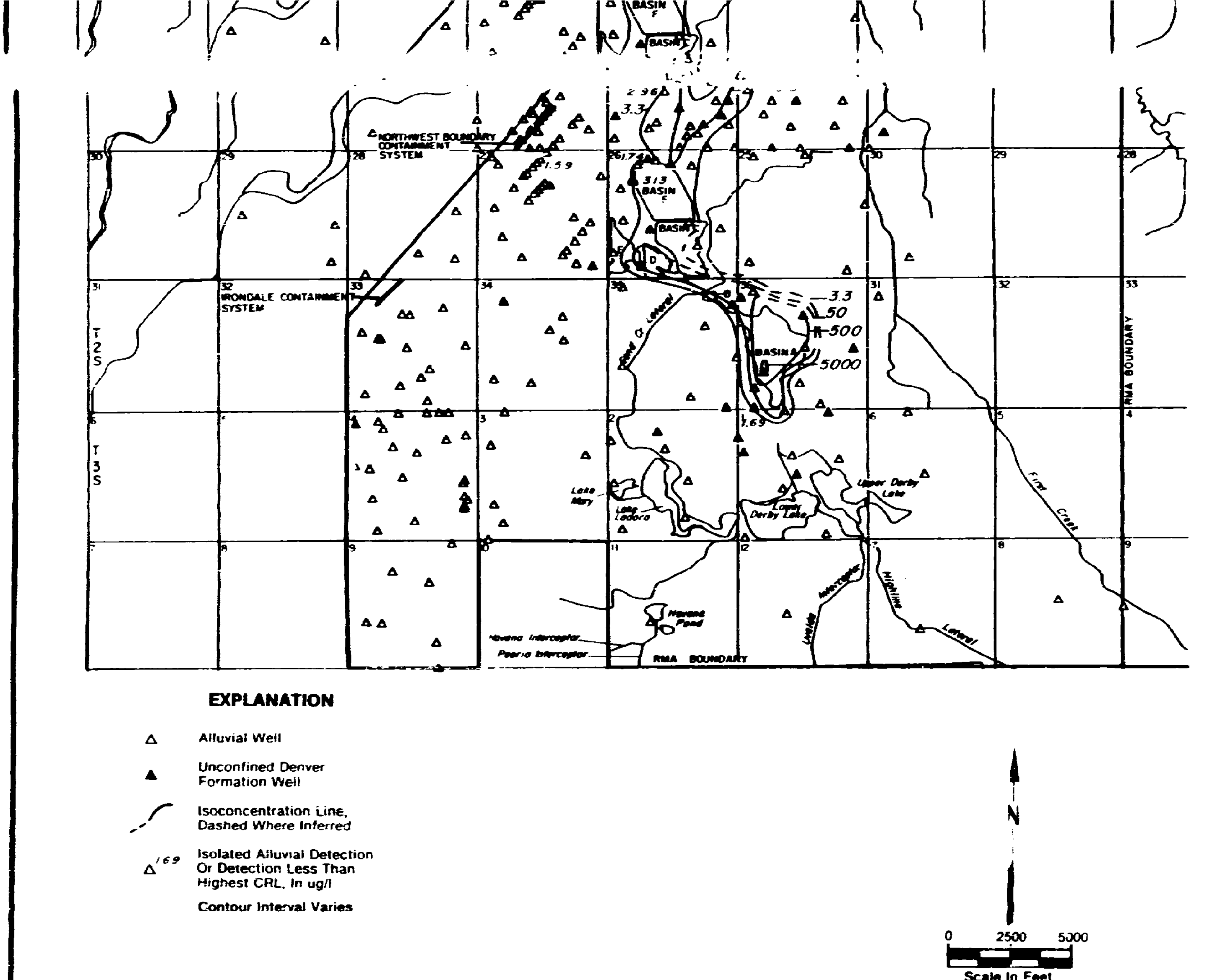


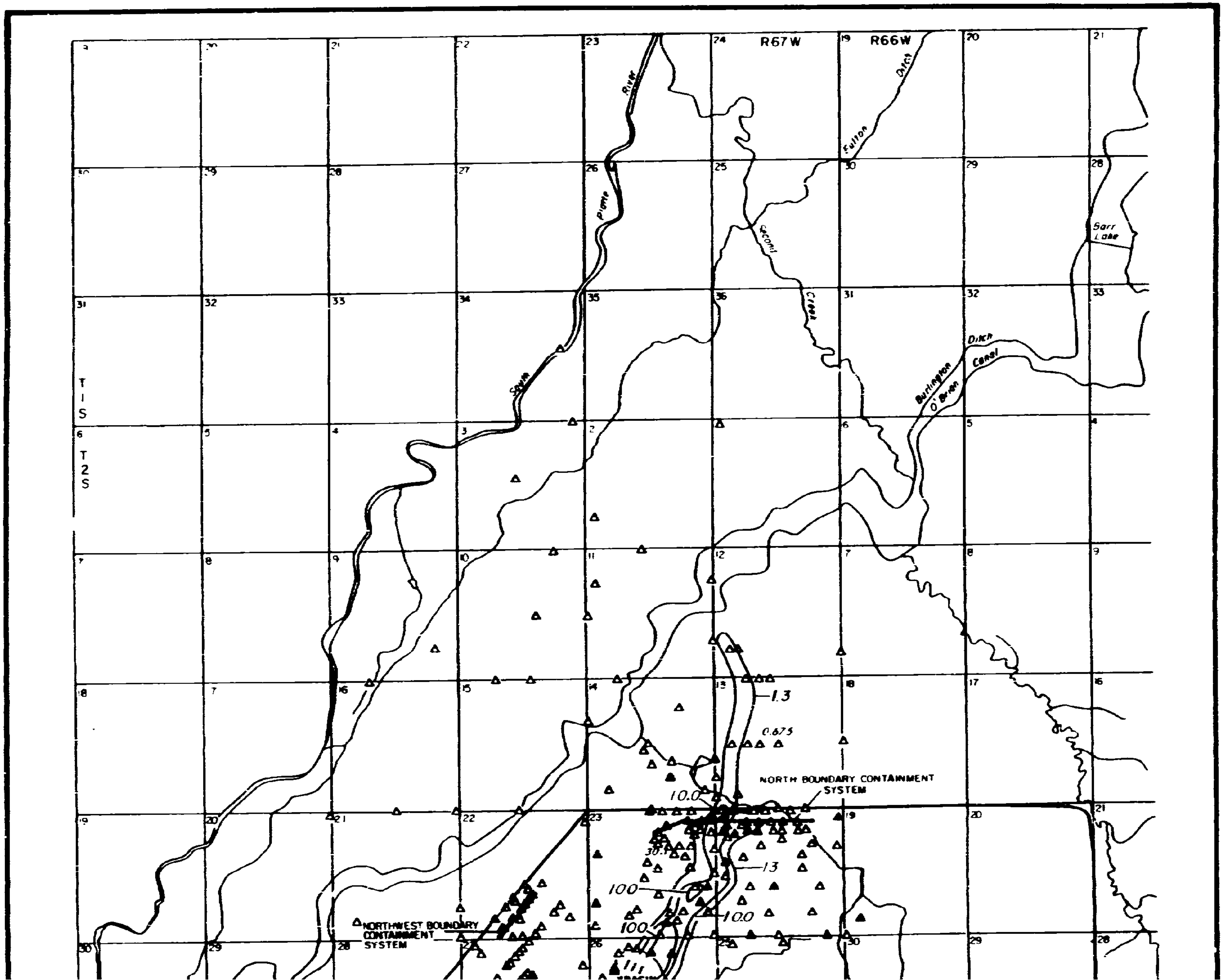
Figure D-2

DITHIANE PLUMES UNCONFINED GROUNDWATER FLOWSYSTEM 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



R67W
R66W
T 1 S
T 2 S
Fulton Ditch
Second Creek
South Platte River
Burlington Ditch
O'Brian Canal
Barr Lake
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
1.3
0.675
10.0
13
100
30.1

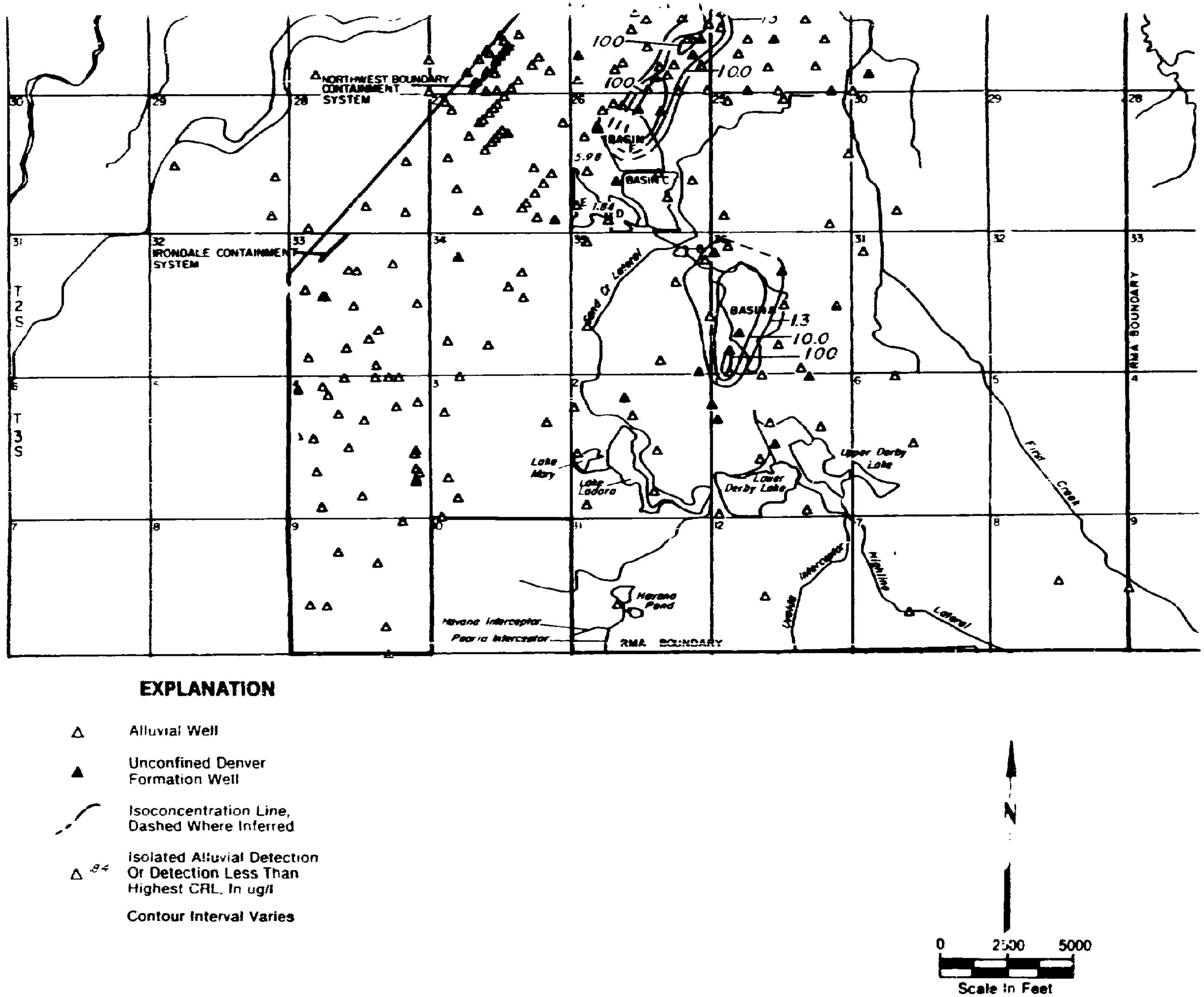


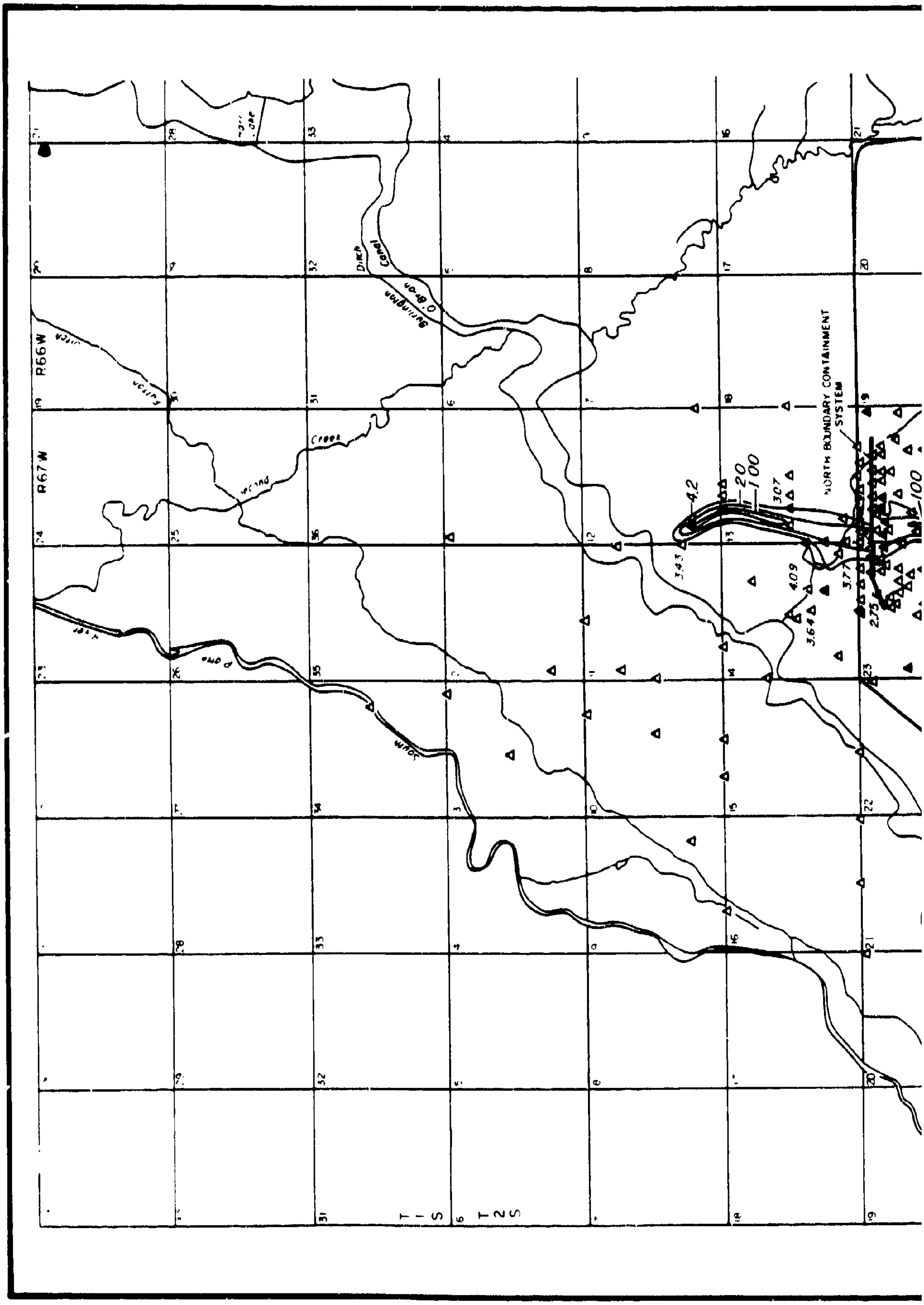
Figure D-3

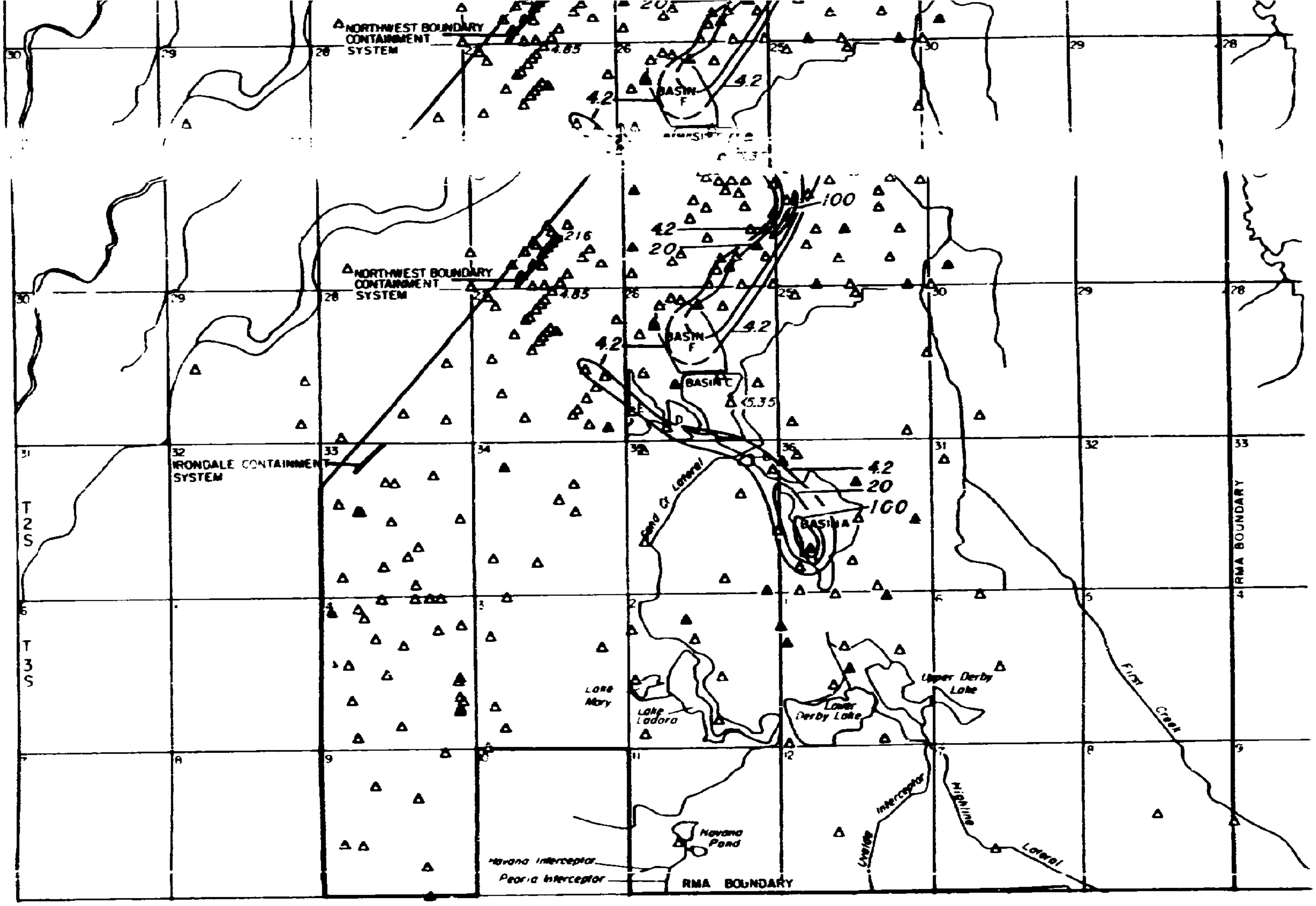
CPMS PLUMES UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


R66W
R67W
NORTH BOUNDARY CONTAINMENT SYSTEM
Second Creek
Canal
Ditch
T 1 S
T 2 S
4.2
20
100
3.07
3.43
4.09
3.77
3.64
2.75



EXPLANATION

△ Alluvial Well

▲ Unconfined Denver Formation Well

Isoconcentration Line, Dashed Where Inferred

△535 Isolated Alluvial Detection Or Detection Less Than Highest CRL, In ug/l

Contour Interval Varies

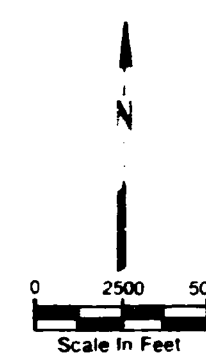


Figure D-4

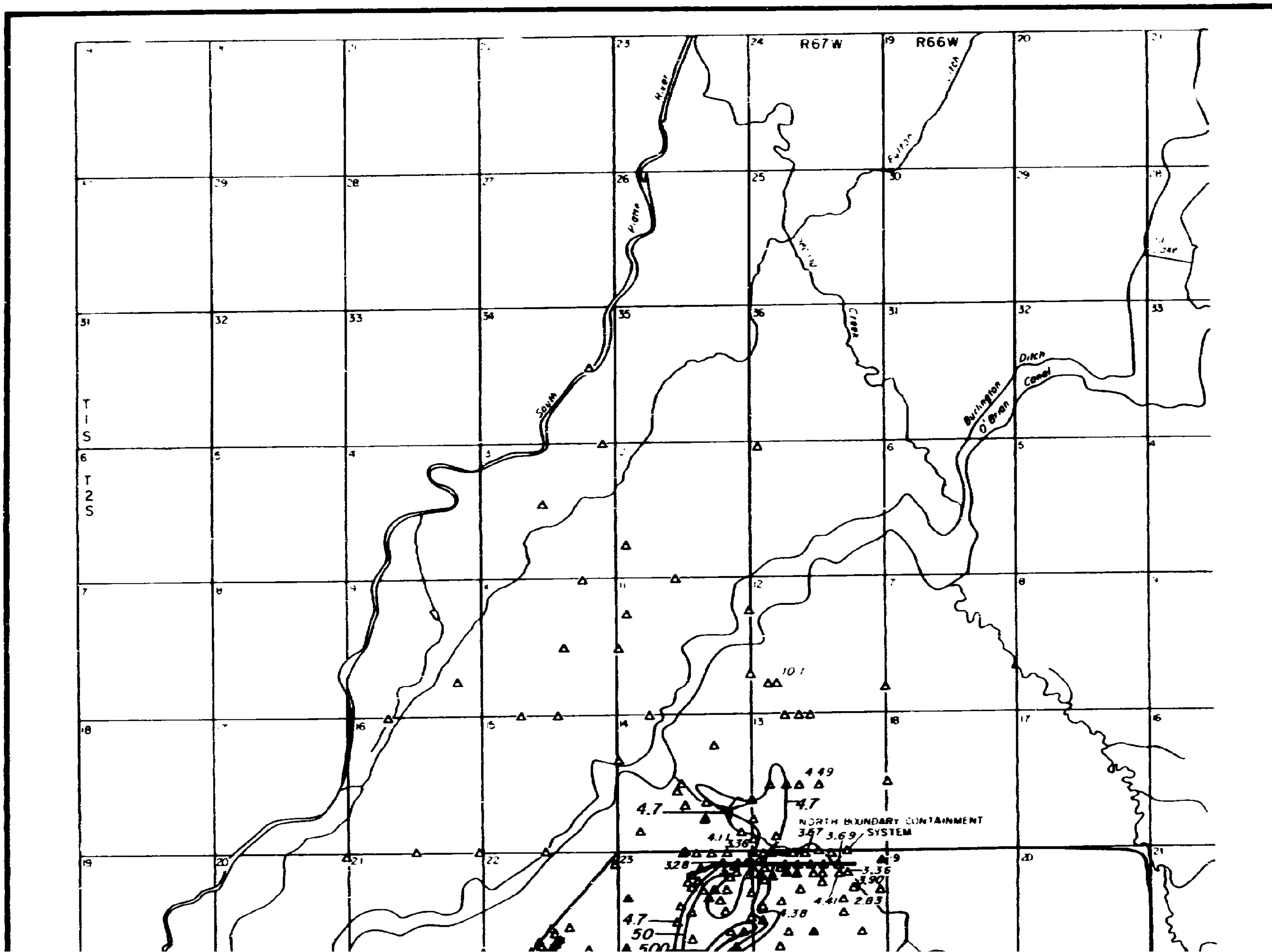
CPMSO PLUMES UNCONFINED GROUNDWATER

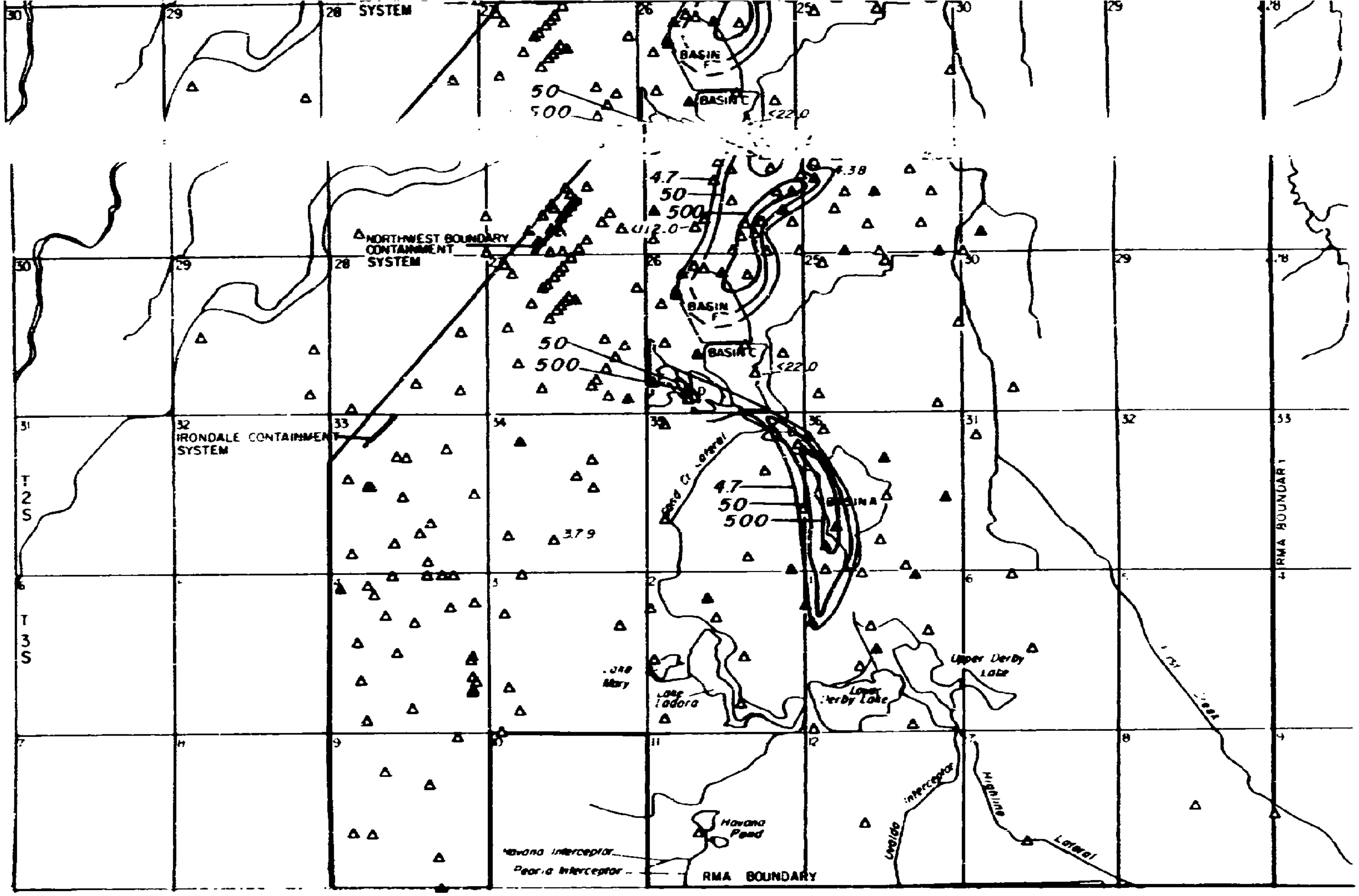
Prepared for:
U.S. Army Program Manager's Office

FLOW SYSTEM 3RD QUARTER, FY 1987

SOURCE: HLA, 1988

Aberdeen Proving Ground, Maryland





EXPLANATION

- Alluvial Well
- Unconfined Denver Formation Well
- Isoconcentration Line, Dashed Where Inferred
- Isolated Alluvial Detection Or Detection Less Than Highest CRL. In ug/l

Contour Interval Varies

N

0 2500 5000

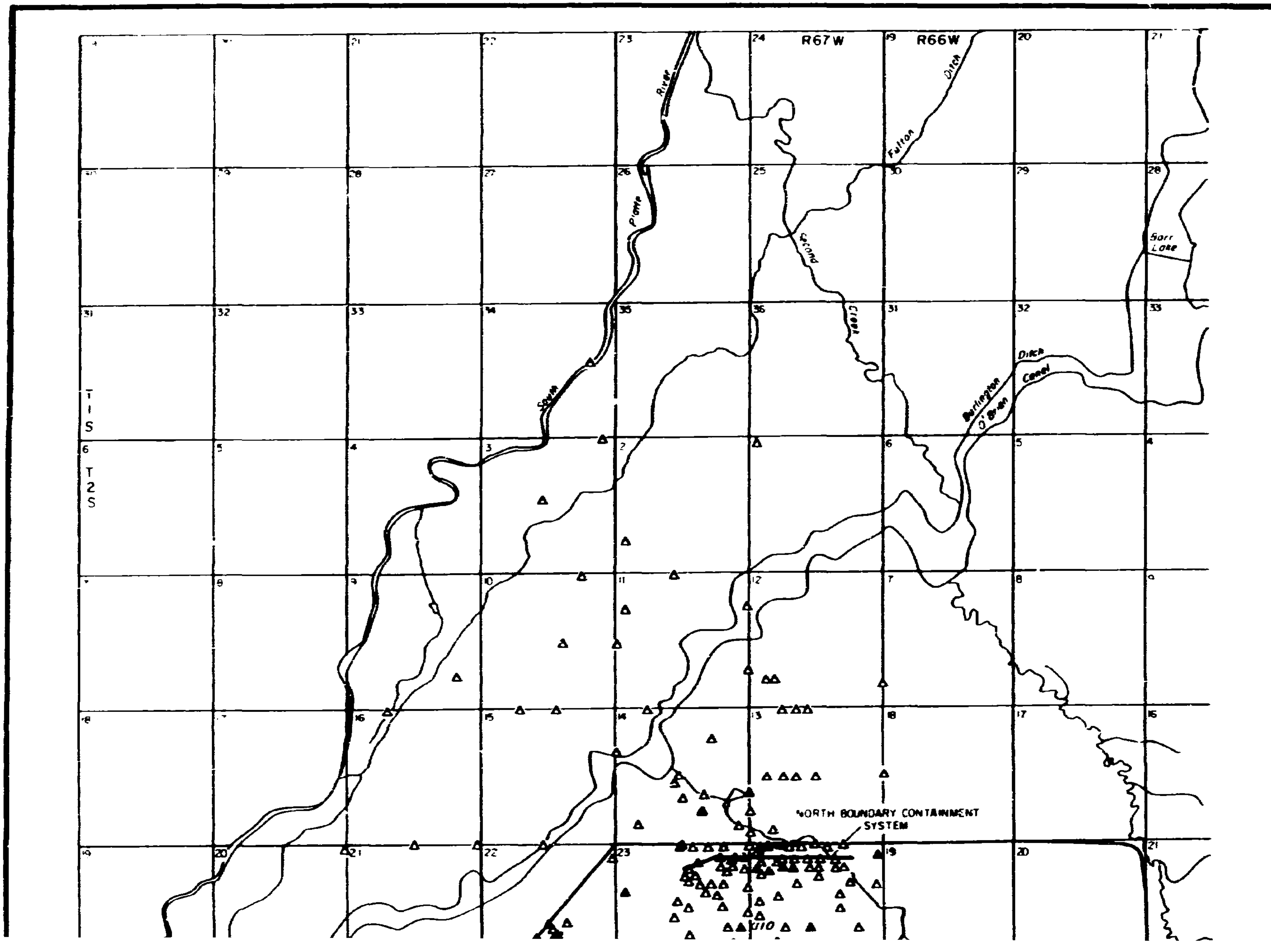
Scale In Feet

Figure D-5

CPMSO$_2$ PLUMES UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

SOURCE: Hunter/ESE, 1986



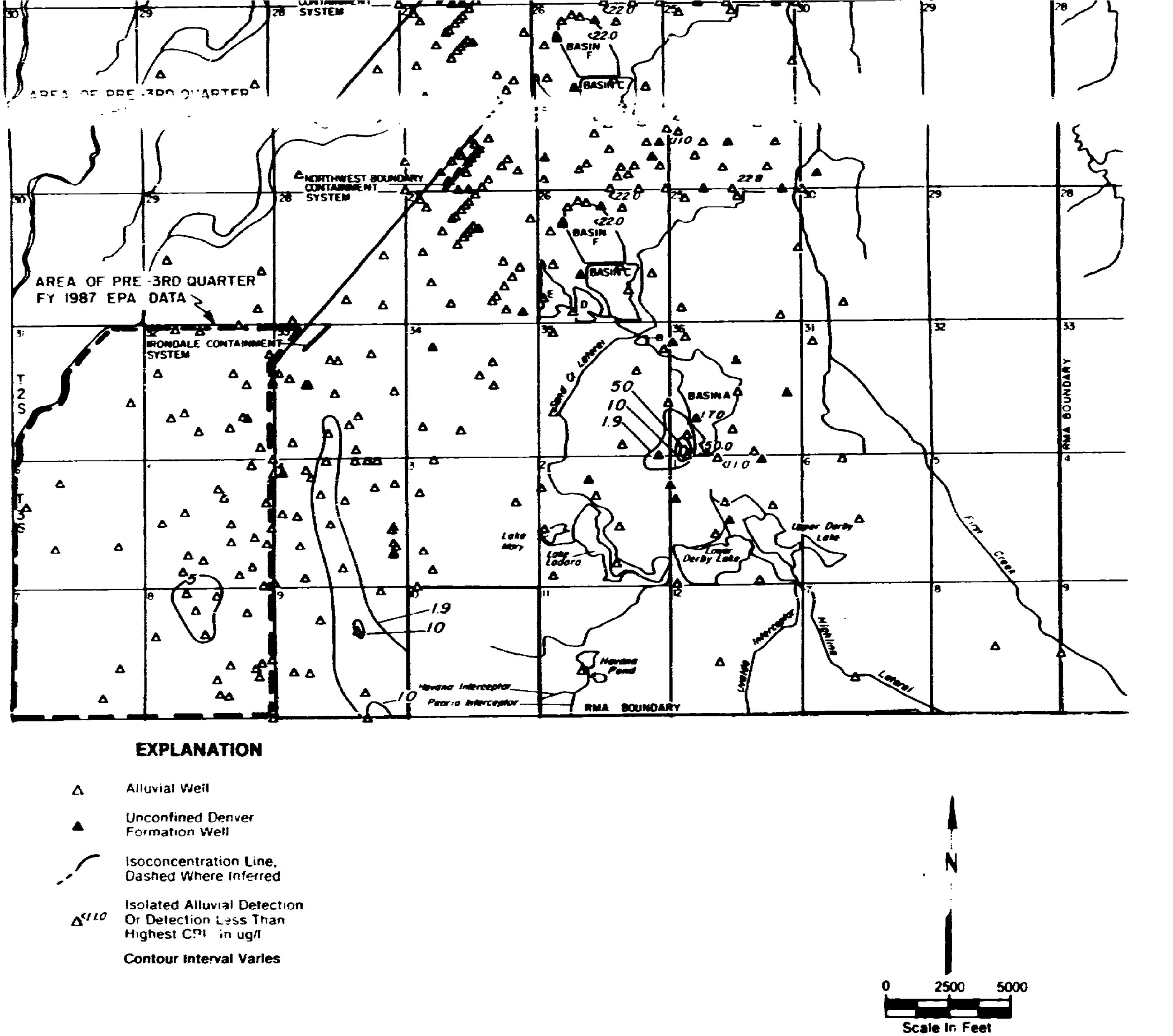


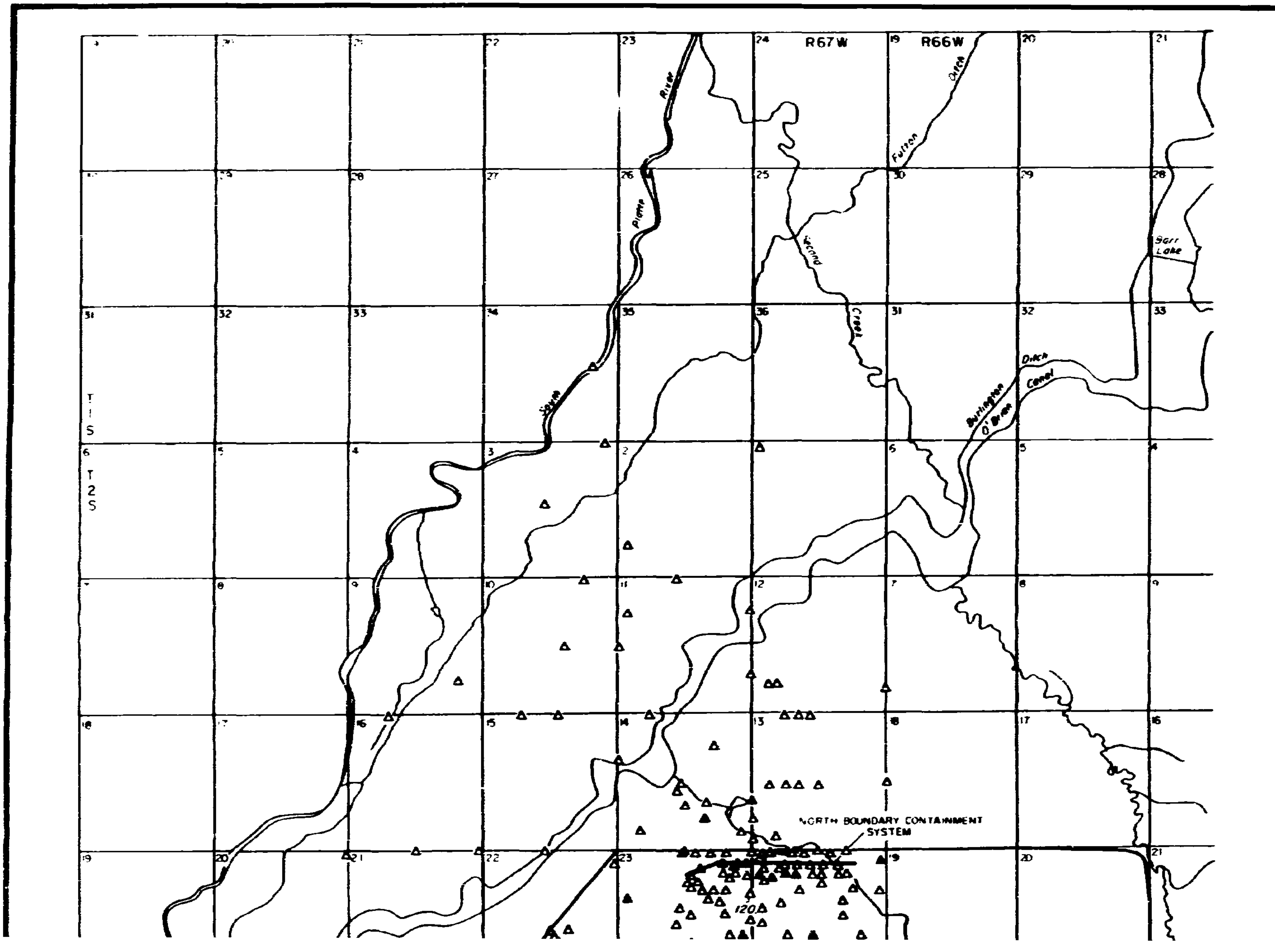
Figure D-6

11 DICHLOROETHENE PLUMES UNCONFINED GROUNDWATER SYSTEM 3RD QUARTER, FY 1987

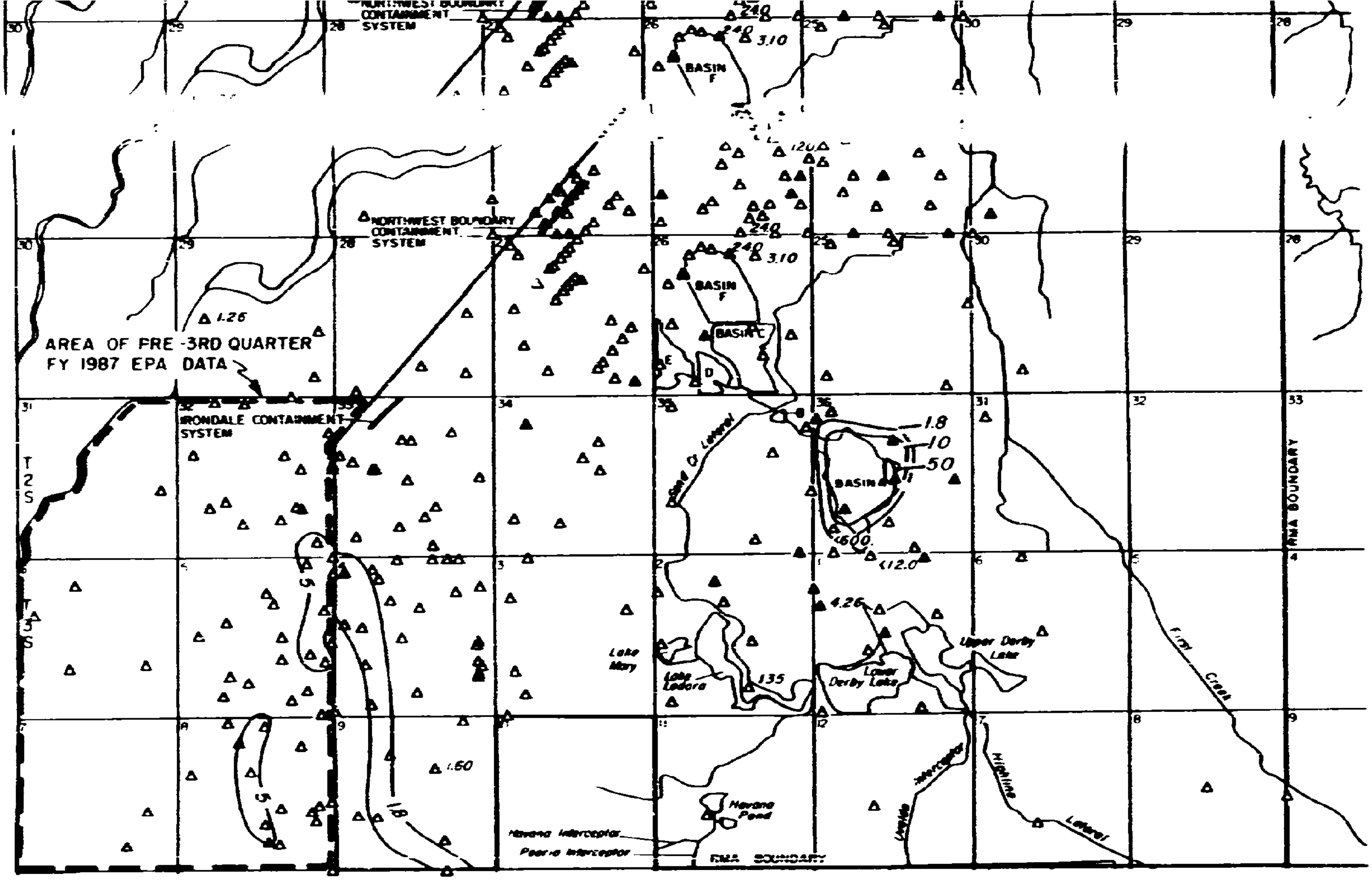
SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



R67W
R66W
Fulton
Ditch
Second
Creek
Platte
River
Burlington
O'Brien
Canal
Barr
Lake
T 1 S
T 2 S
NORTH BOUNDARY CONTAINMENT SYSTEM
120A



EXPLANATION

△	Alluvial Well
▲	Unconfined Denver Formation Well
	Isoconcentration Line, Dashed Where Inferred
△ 1.60	Isolated Alluvial Detection Or Detection Less Than Highest CRL, In ug/l
	Contour Interval Varies

N

0 2500 5000
Scale in Feet

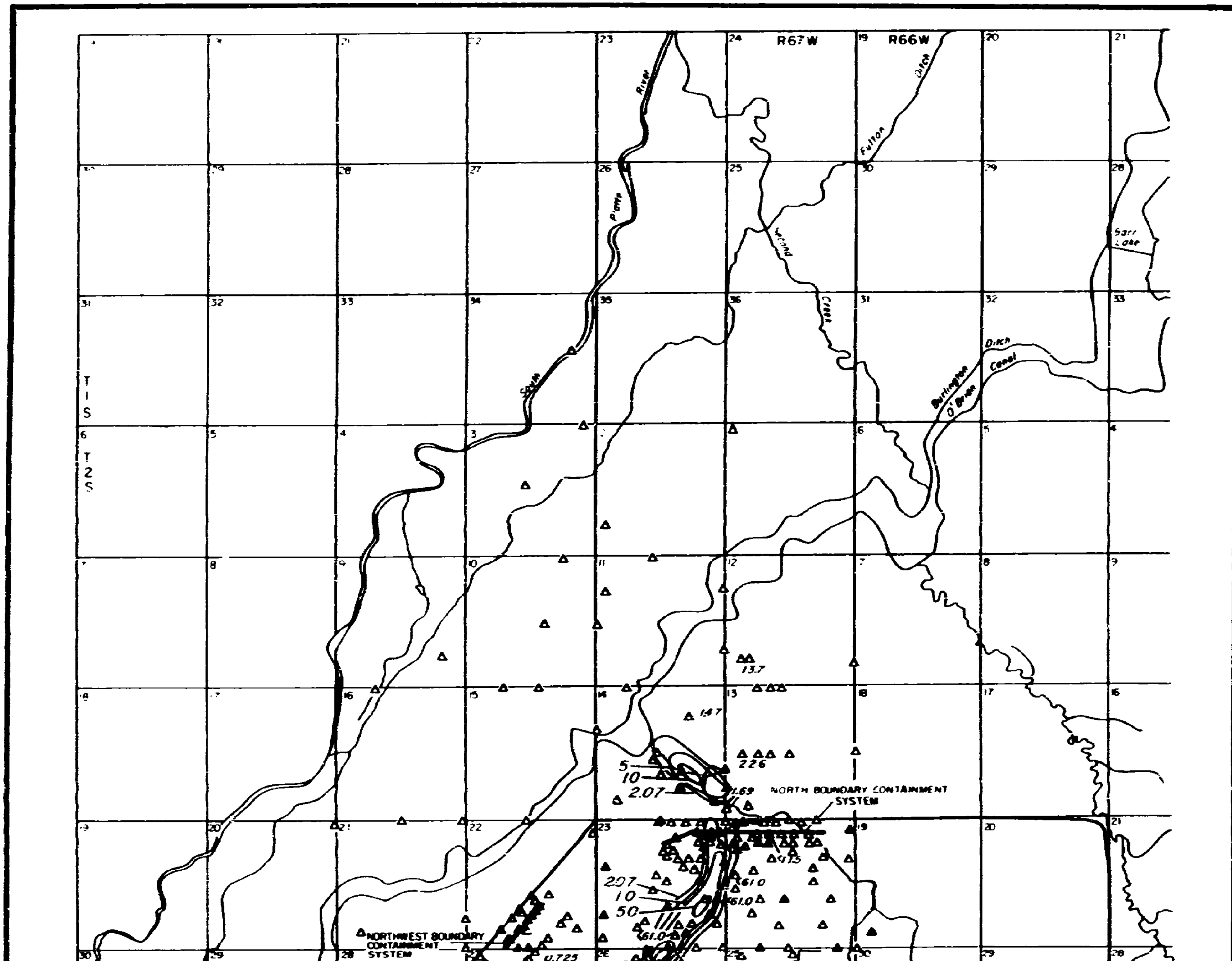
Figure D-7

T1,2-DICHLOROETHENE PLUMES UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

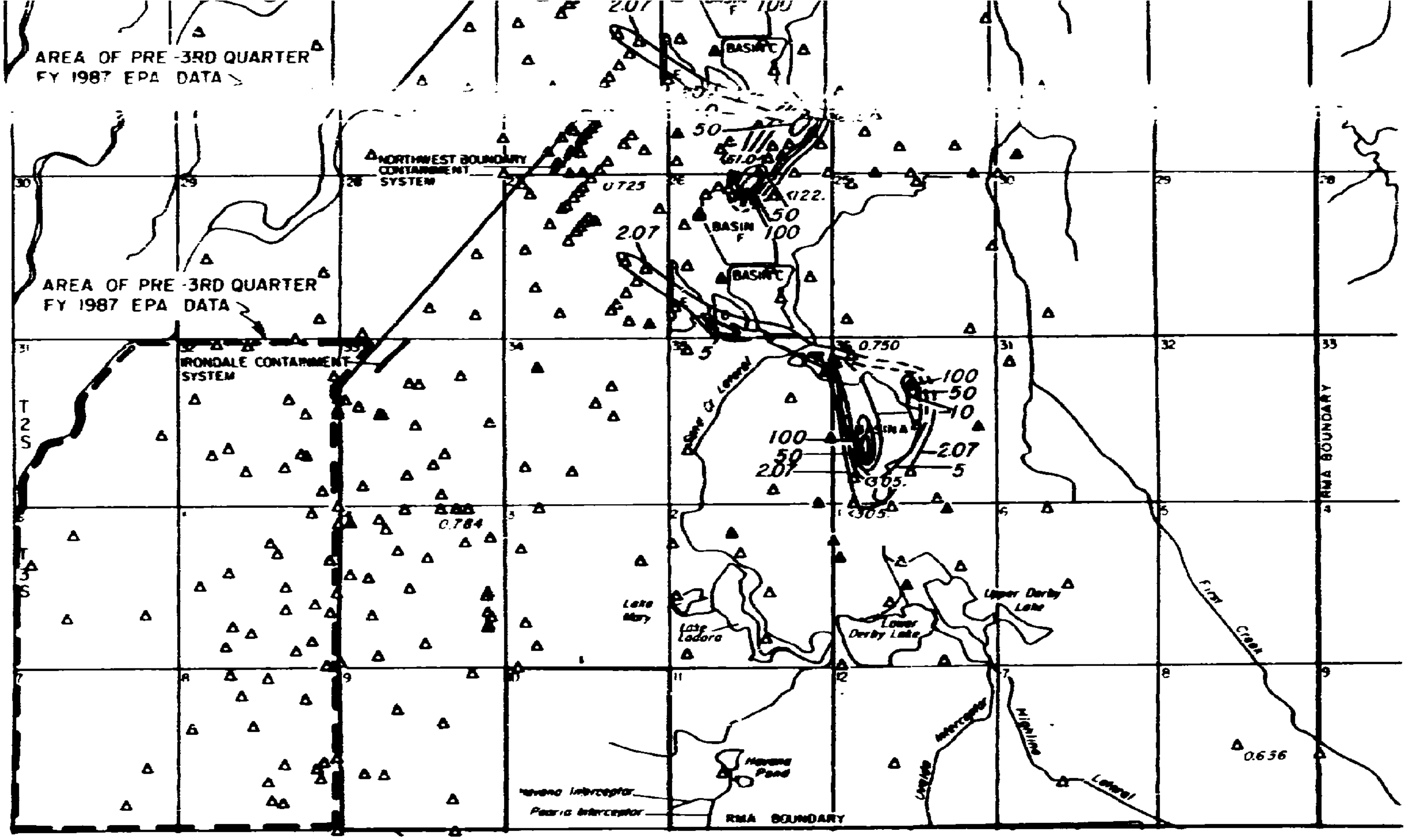
SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



R67W
R66W
T 1 S
T 2 S
South Platte River
Fulton Ditch
Second Creek
Barr Lake
Burlington Ditch
O'Brian Canal
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM



EXPLANATION

- △ Alluvial Well
- ▲ Unconfined Denver Formation Well
- Isoconcentration Line, Dashed Where Inferred
- △ 0.784 Isolated Alluvial Detection Or Detection Less Than Highest CRL, In ug/l

Contour Interval Varies

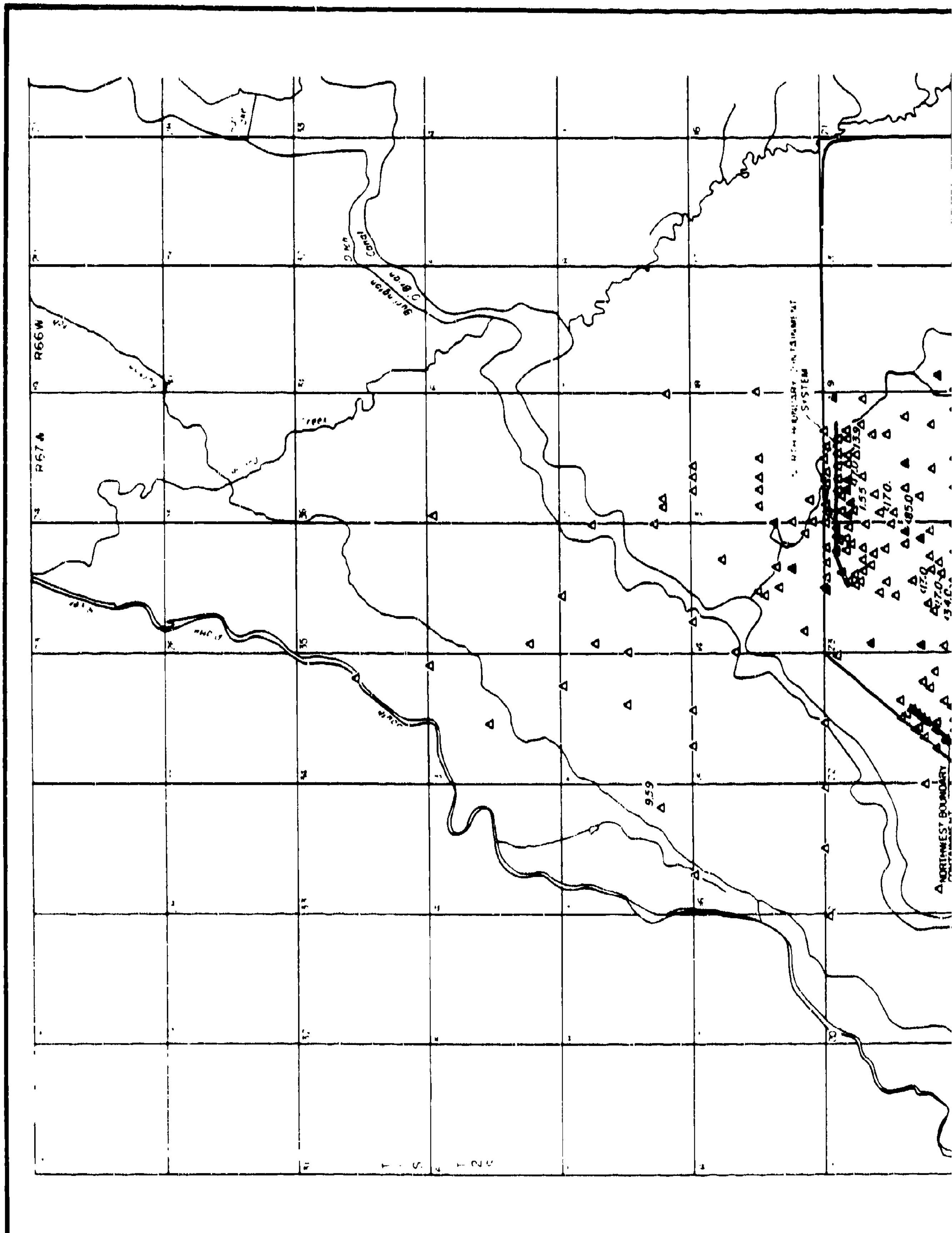
Figure D-8

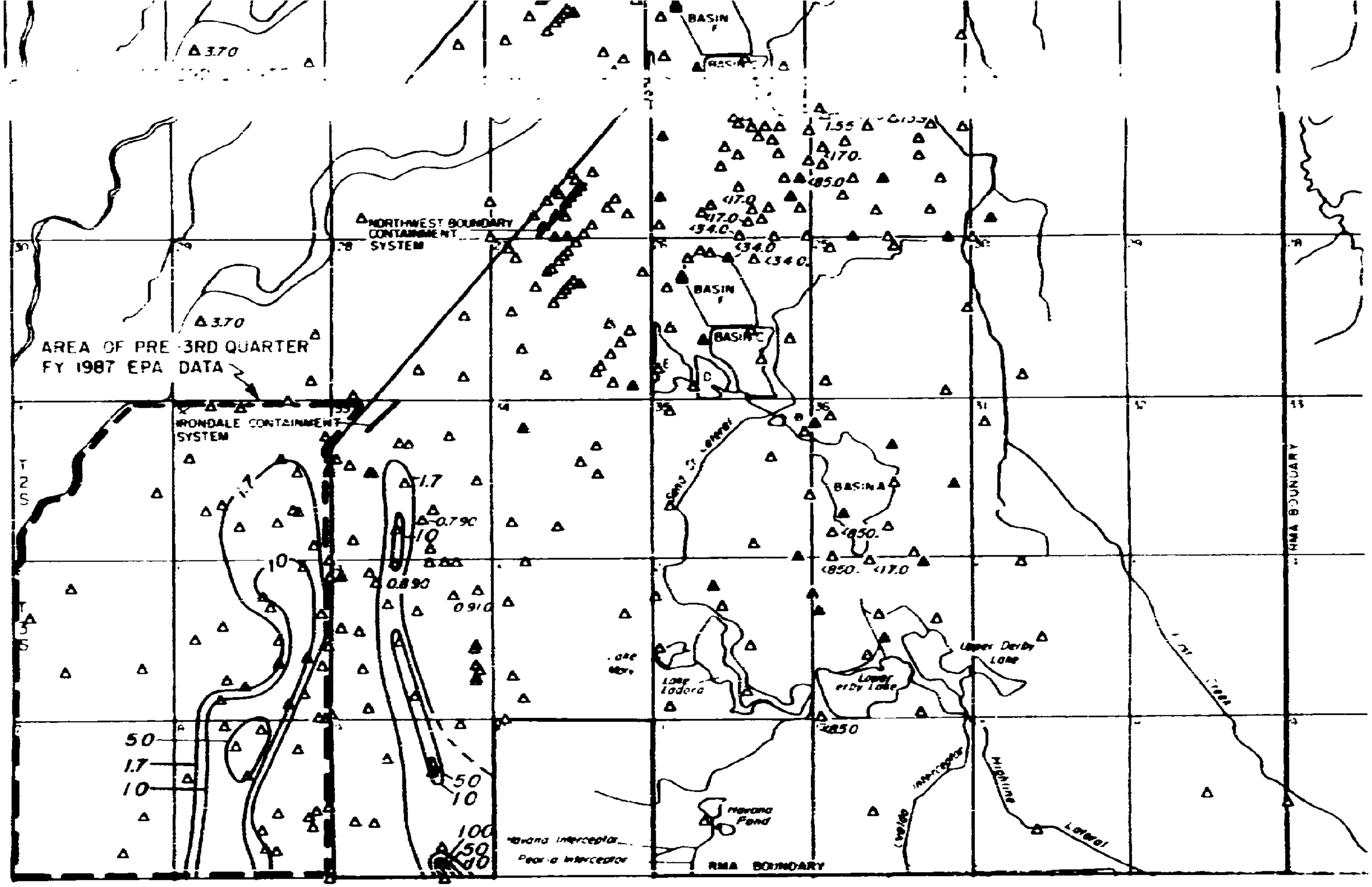
1,2 DICHLOROETHENE PLUMES UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


R66W
SYSTEM
NORTHWEST BOUNDARY
9.59
1.55
185.0
17.0



EXPLANATION

△ Alluvial Well

▲ Unconfined Denver Formation Well

Isoconcentration Line, Dashed Where Inferred

△850. Isolated Alluvial Detection Or Detection Less Than Highest CRL in ug/l

Contour Interval Varies

0 2500 5000

Scale in Feet

Figure D-9

1,1,1-TRICHLOROETHENE PLUMES UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

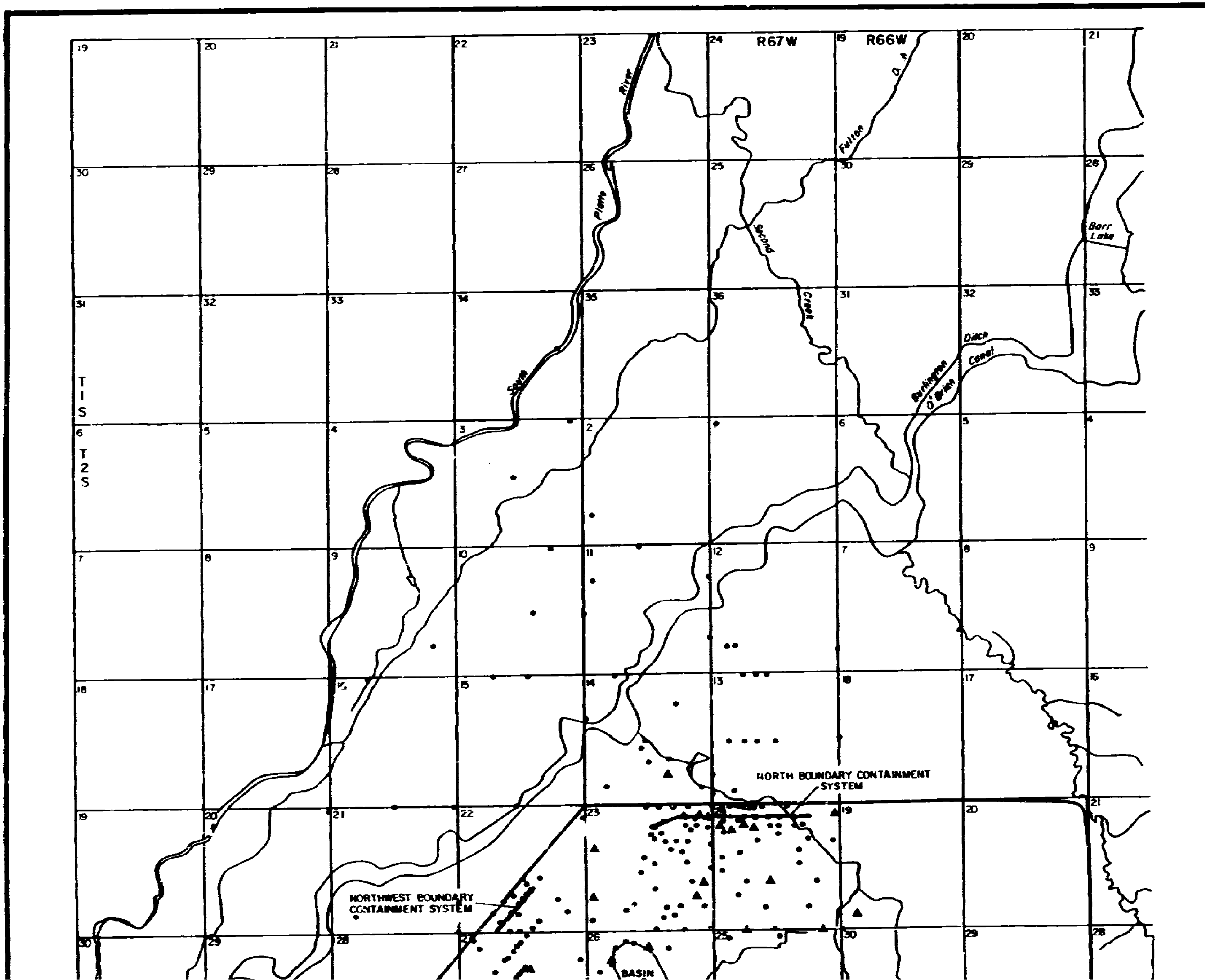
SOURCE: Hunter/ESE, 1988

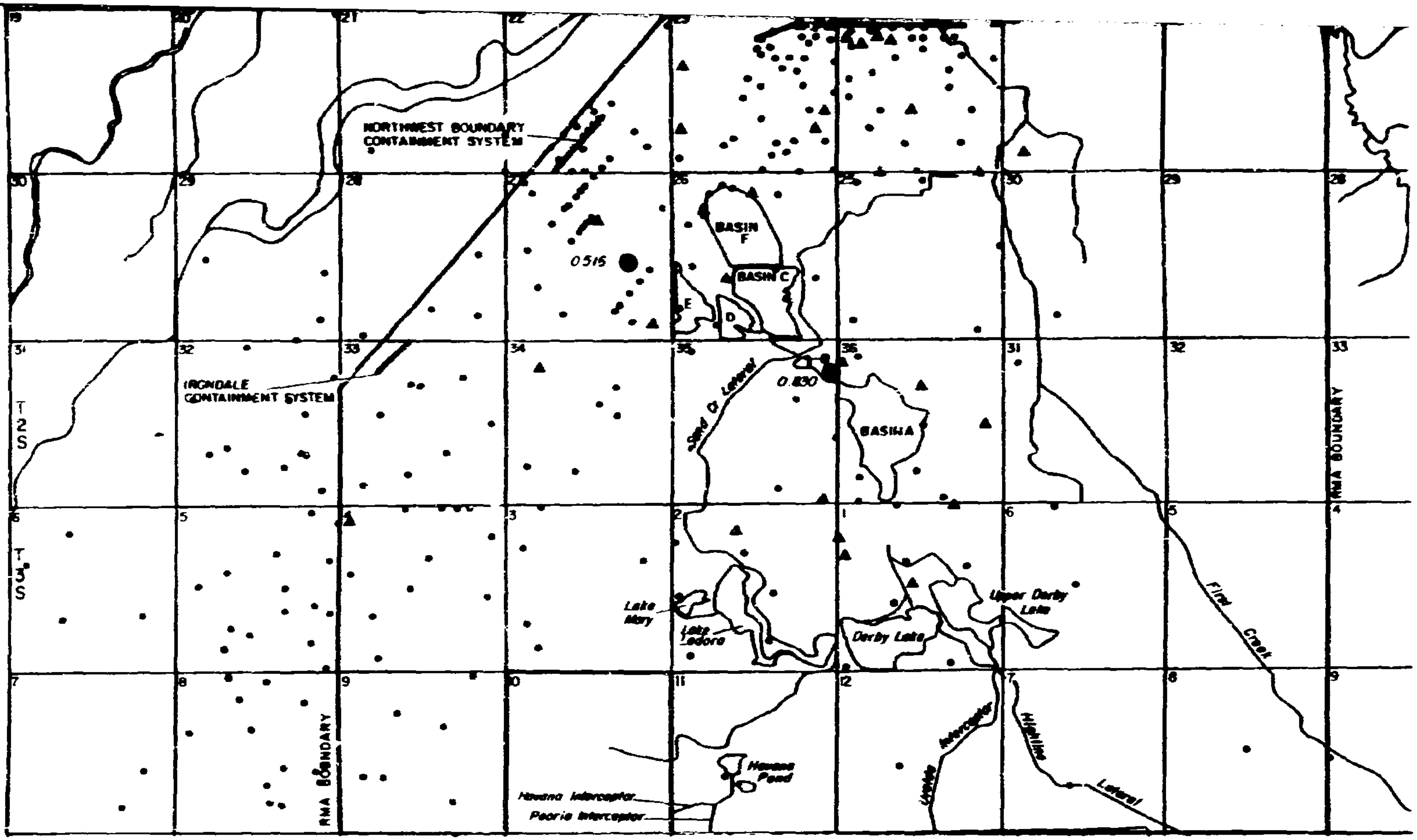
Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

APPENDIX D.4: ALLUVIAL/UNCONFINED POINT PLOTS
(D-10 TO D-26)


R67W
R66W
T1S
T2S
South Platte River
Fulton
Second Creek
Barr Lake
Burlington O'Brien Ditch Canal
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
BASIN



EXPLANATION

- Alluvial Well
- Unconfined Denver Formation Well
- 0.830 Alluvial Detection, Units in ug/l

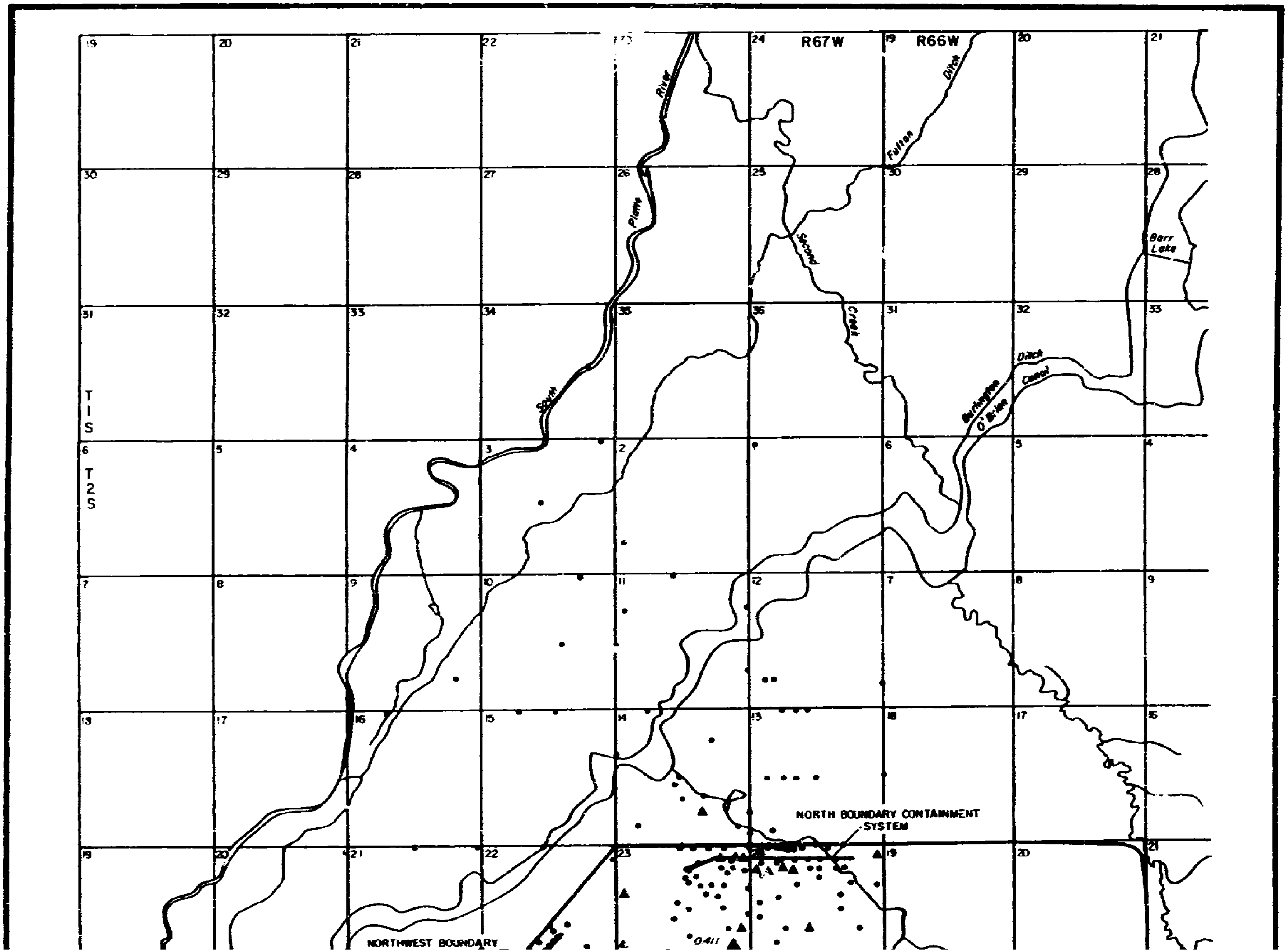
Figure D-10

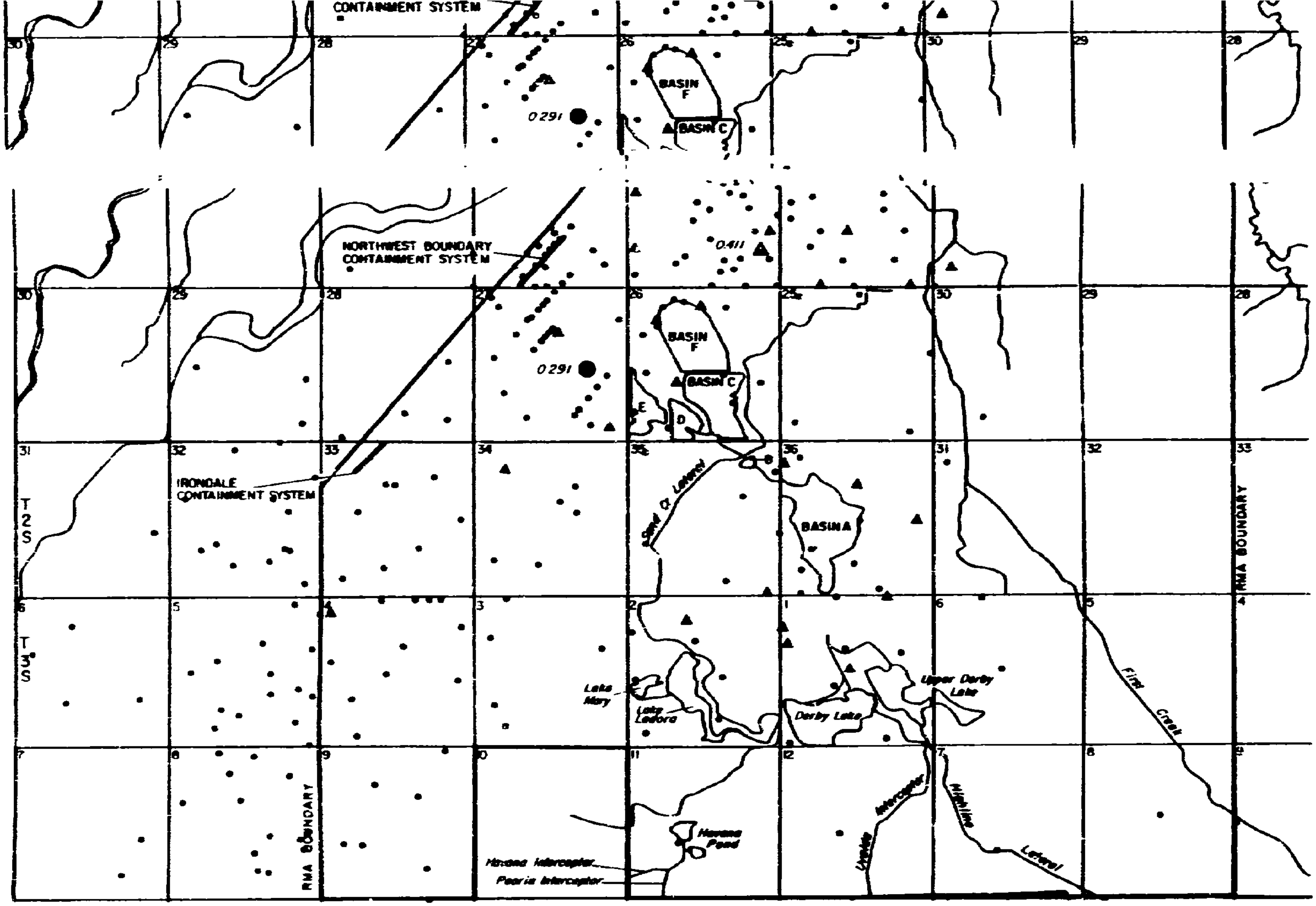
Prepared for:
U.S. Army Program Manager's Office

3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Aberdeen Proving Ground, Maryland





EXPLANATION

- Alluvial Well
- Unconfined Denver Formation Well
- Alluvial Detection, Units in ug/l
- Unconfined Denver Formation Detection, Units in ug/l

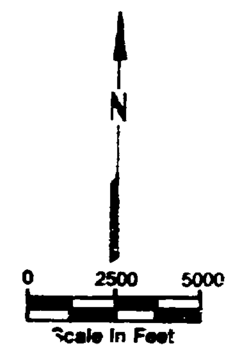


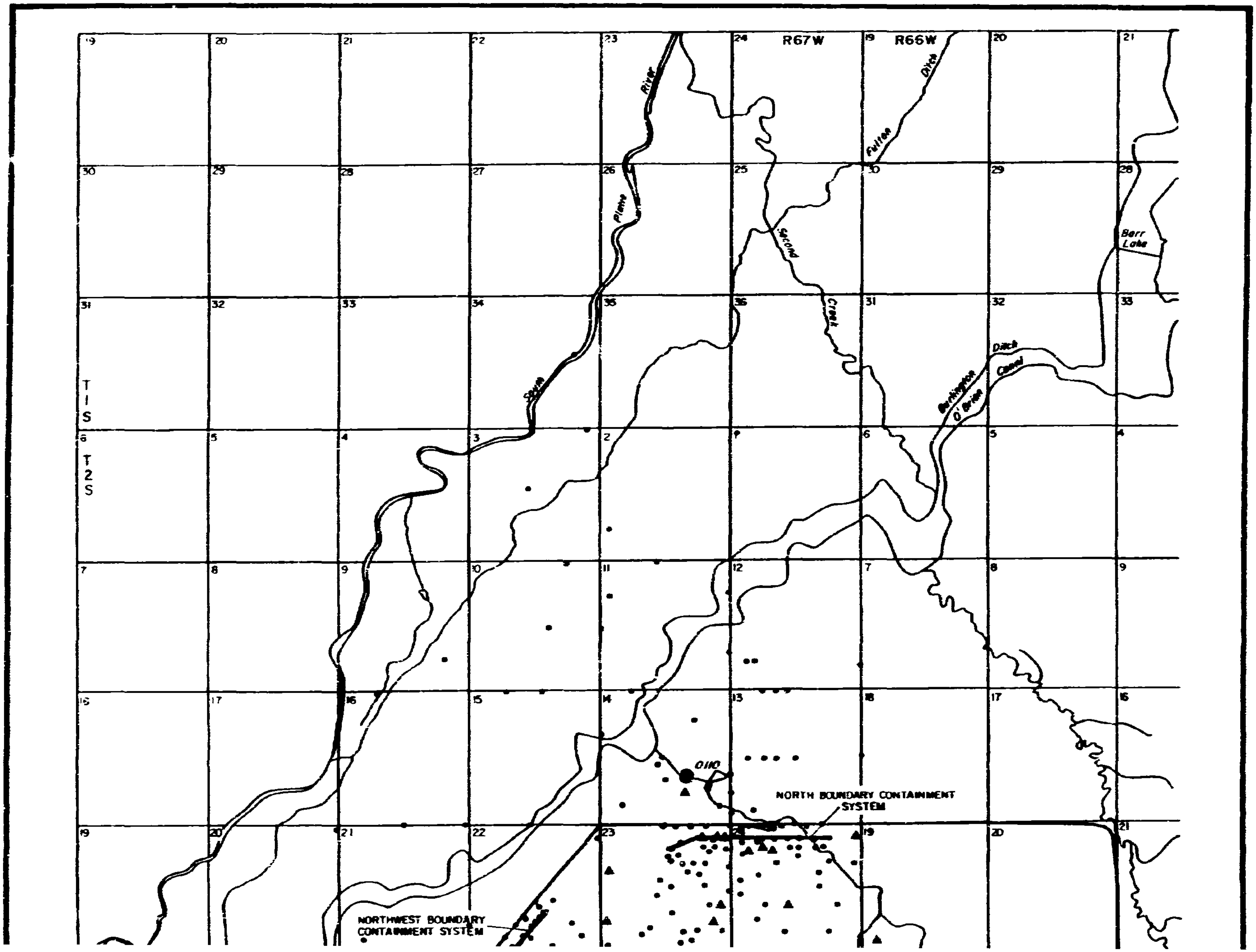
Figure D-11

ISODRIN DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM

Prepared for:
U.S. Army Program Manager's Office

SOURCE: Hunter/ESE, 1988

Aberdeen Proving Ground, Maryland



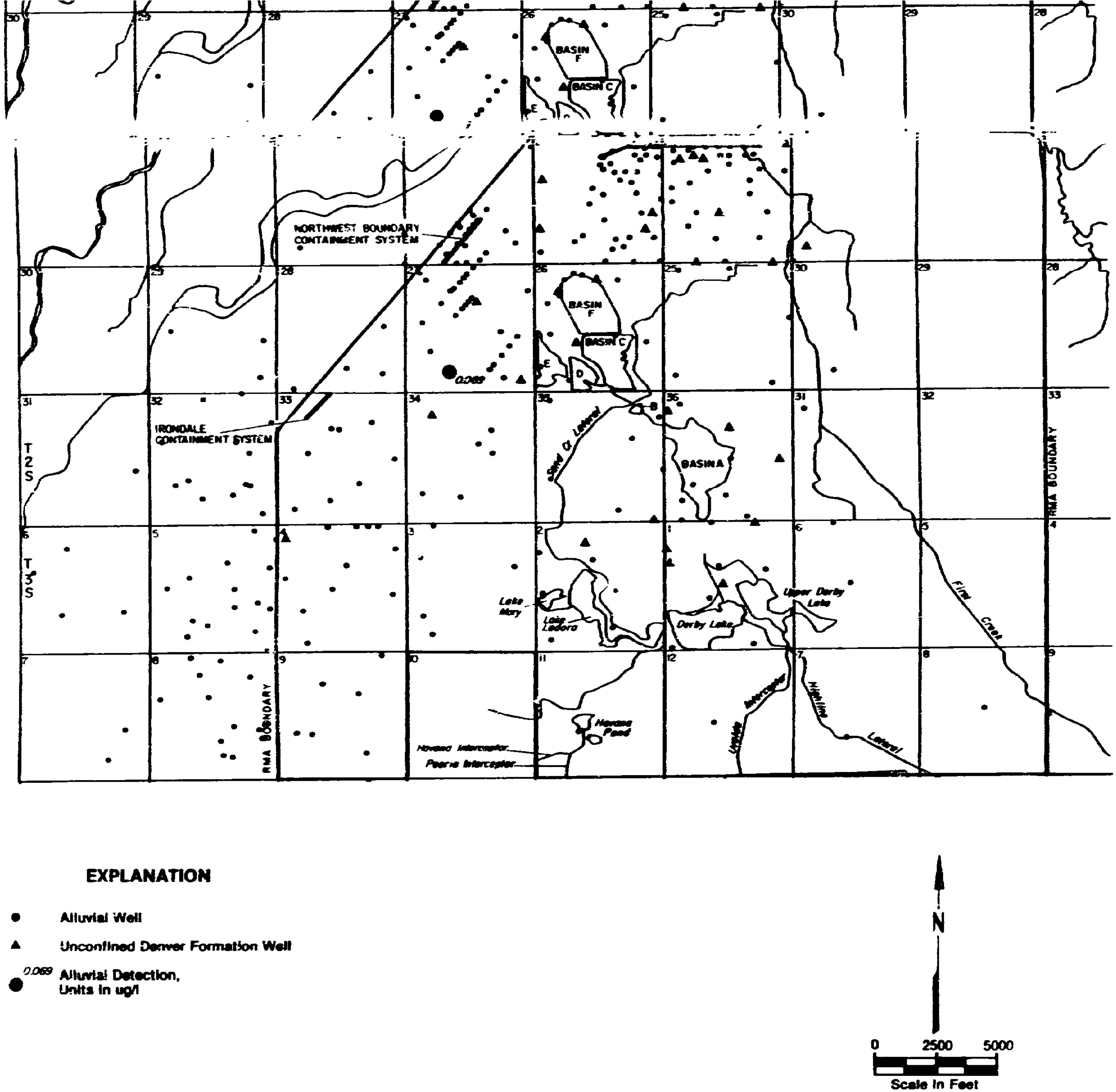


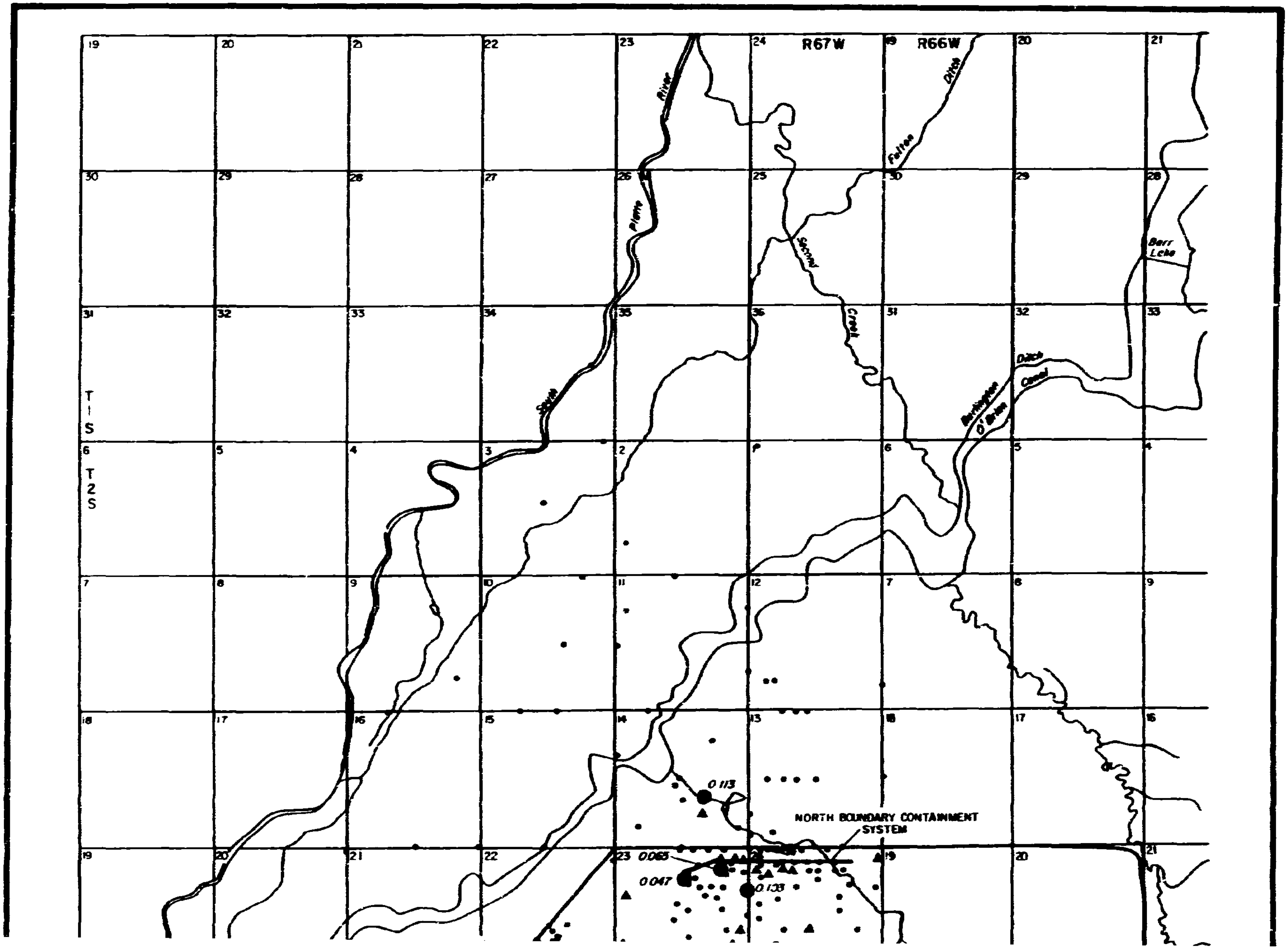
Figure D-12

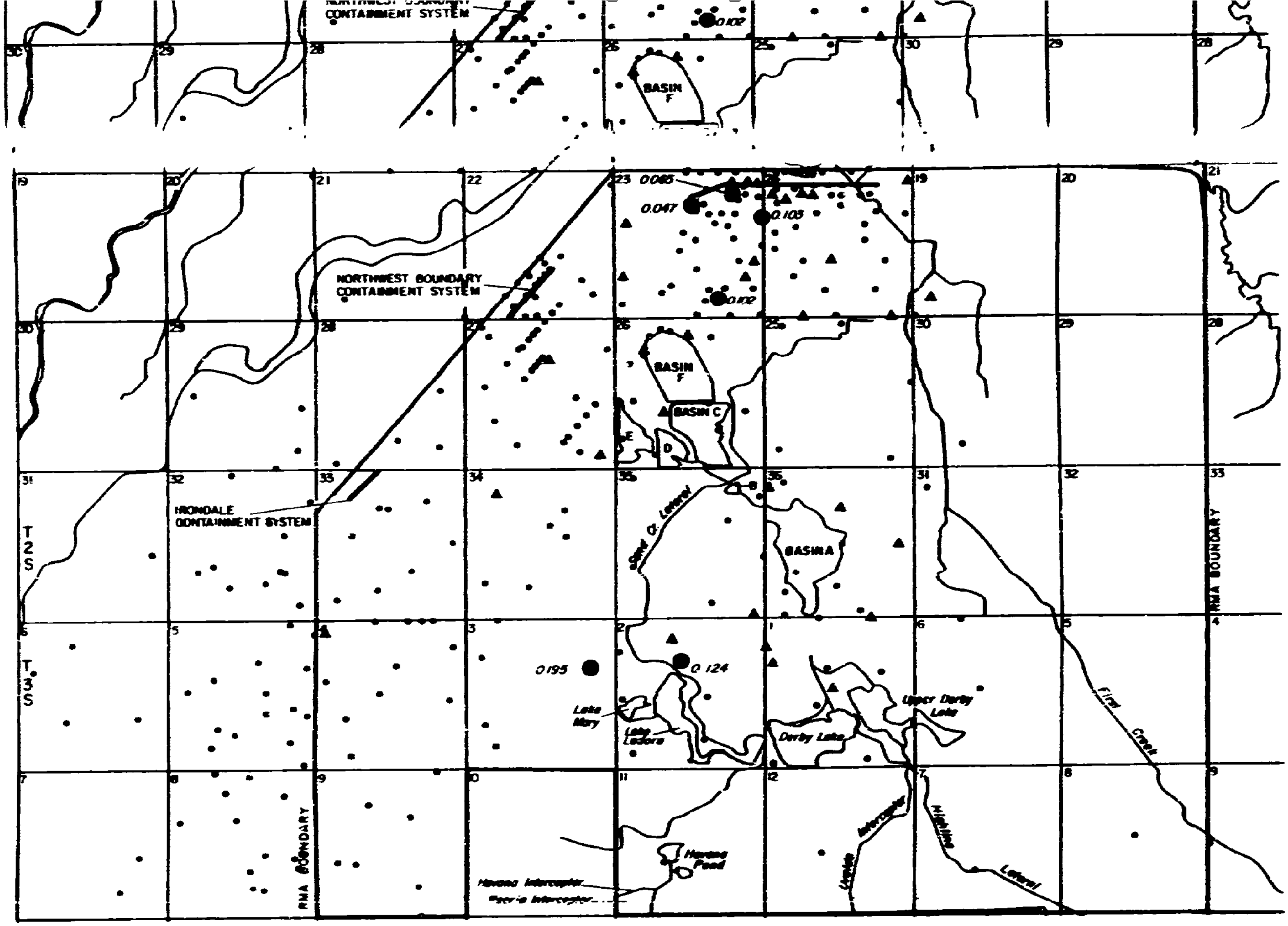
PP-DDT DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM

Prepared for:
U.S. Army Program Manager's Office

SOURCE: Hunter/ESE, 1988

Aberdeen Proving Ground, Maryland





EXPLANATION

- Alluvial Well
- Unconfined Denver Formation Well
- 0.195 Alluvial Detection, Units in ug/l

Figure D-13

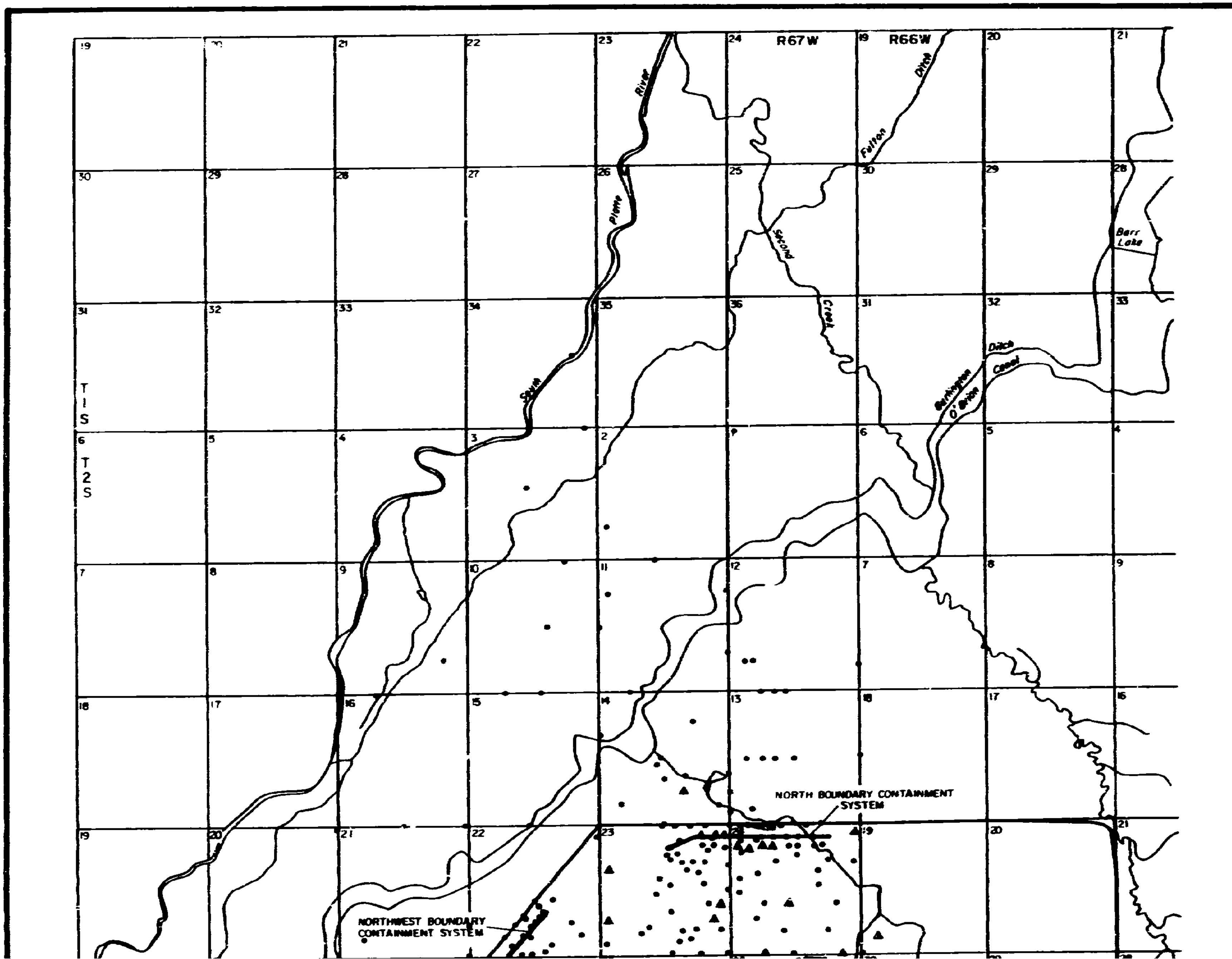
Prepared for:

3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



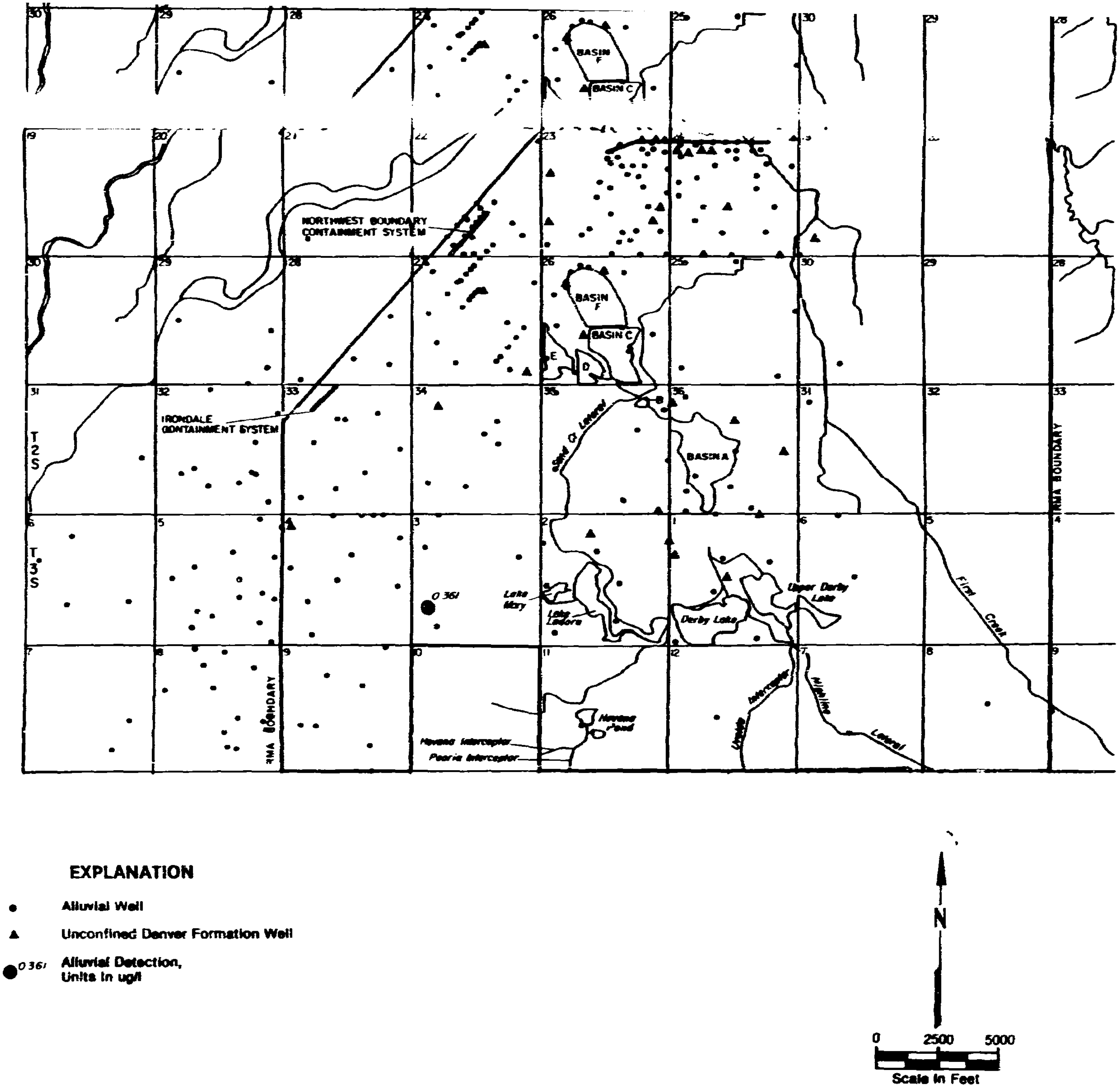


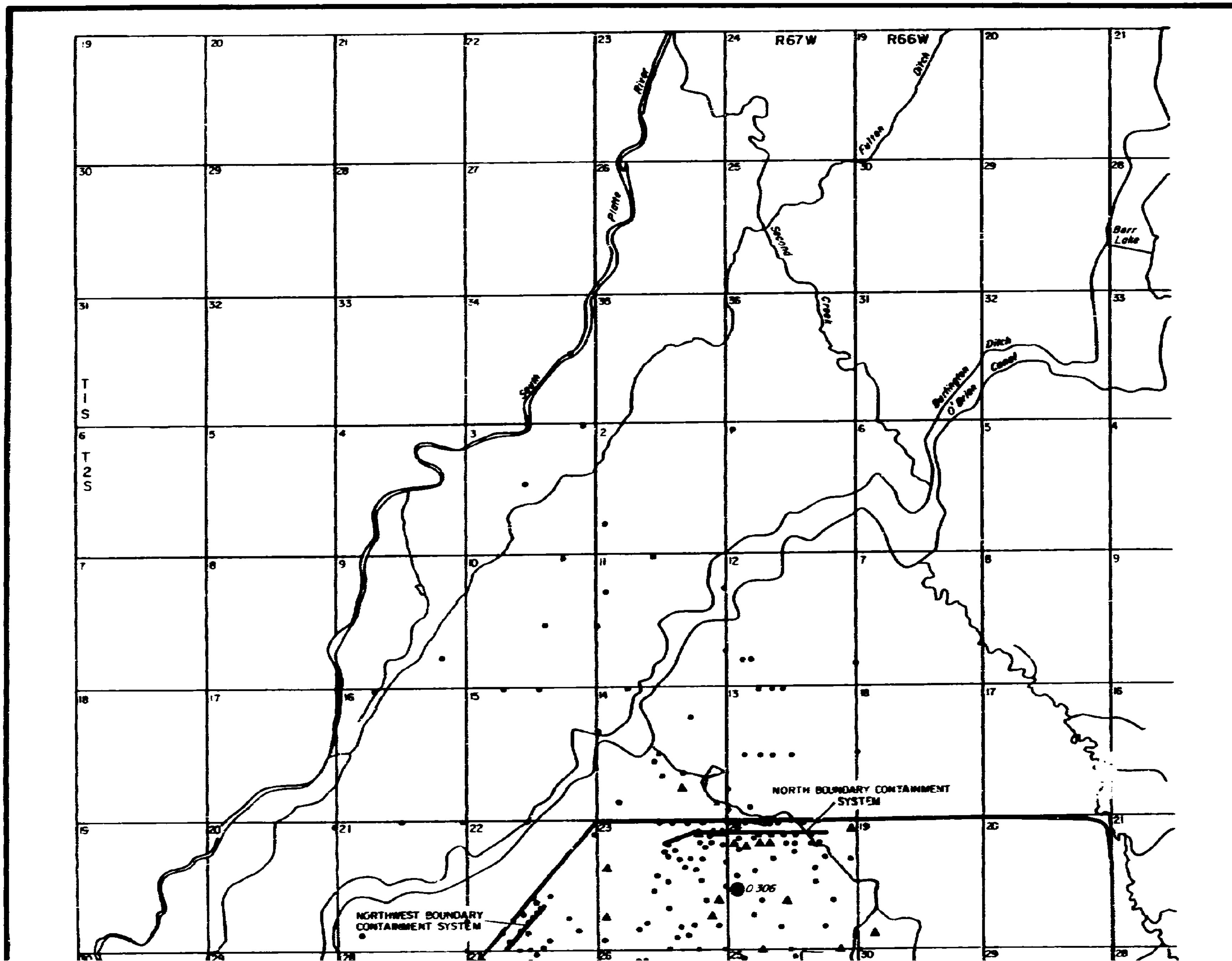
Figure D-14

HEXACHLOROCYCLOPENTADIENE DETECTIONS UNCONFINED

Prepared for:
U.S. Army Program Manager's Office

SOURCE: Hunter/ESE, 1988

Aberdeen Proving Ground, Maryland



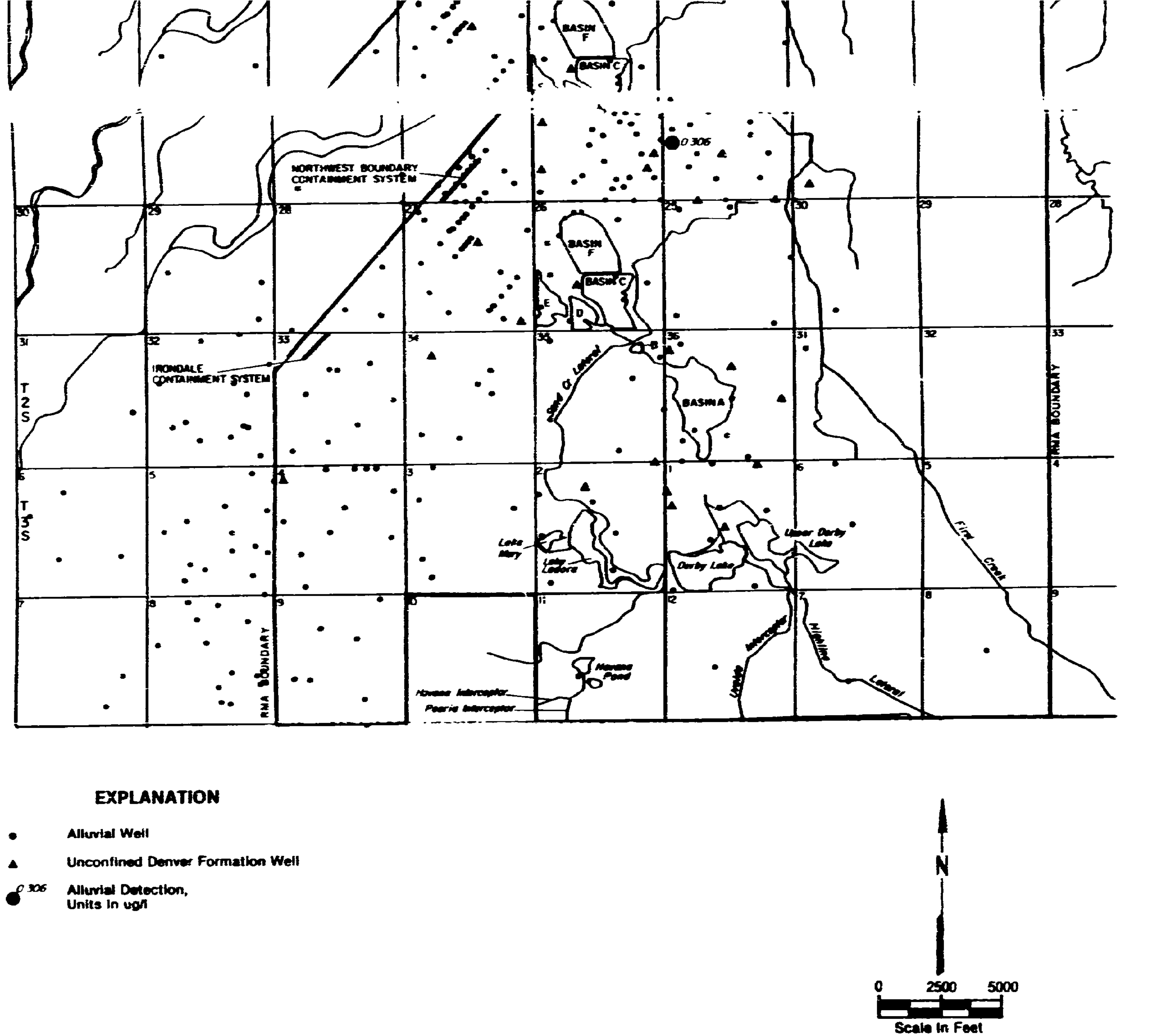
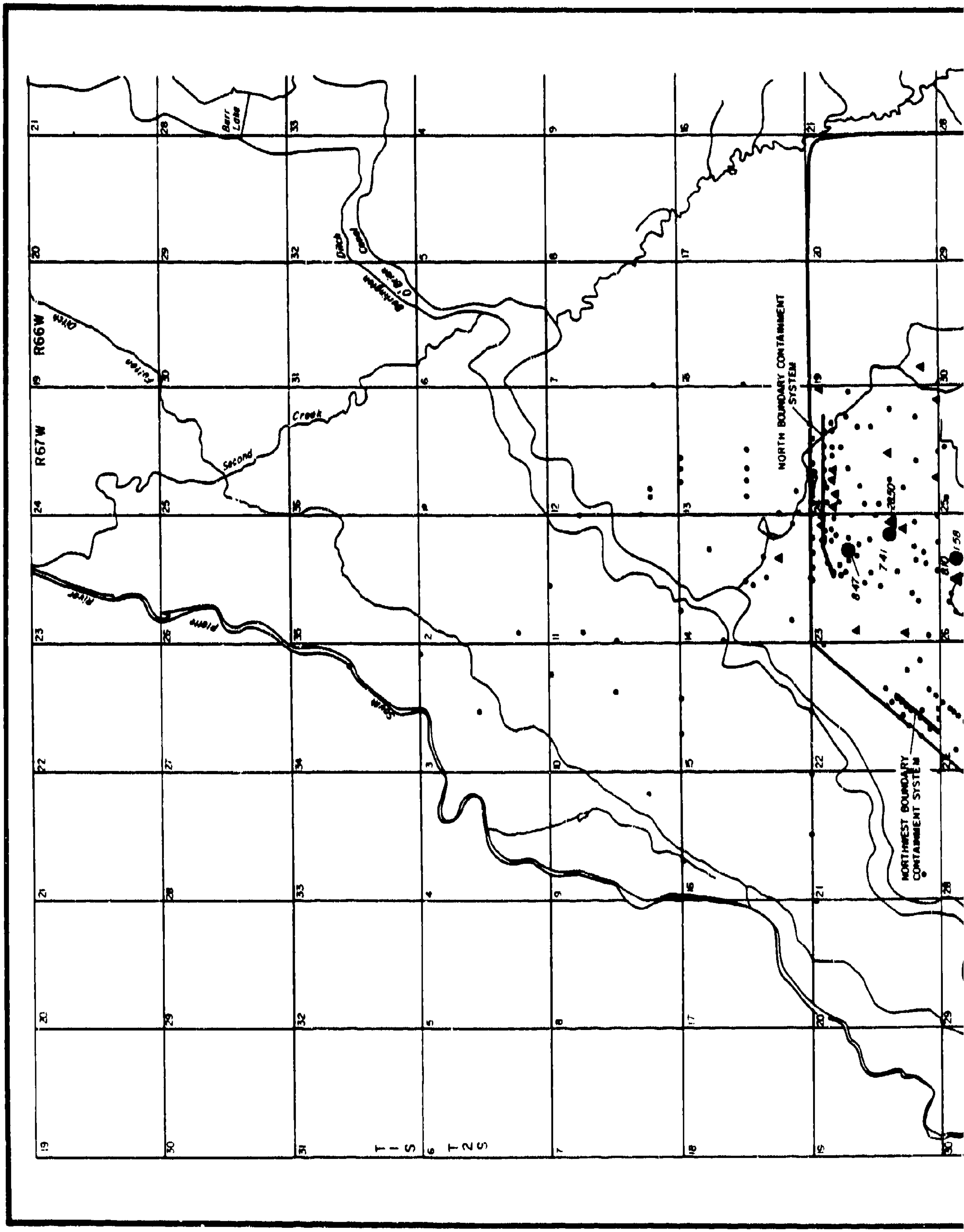


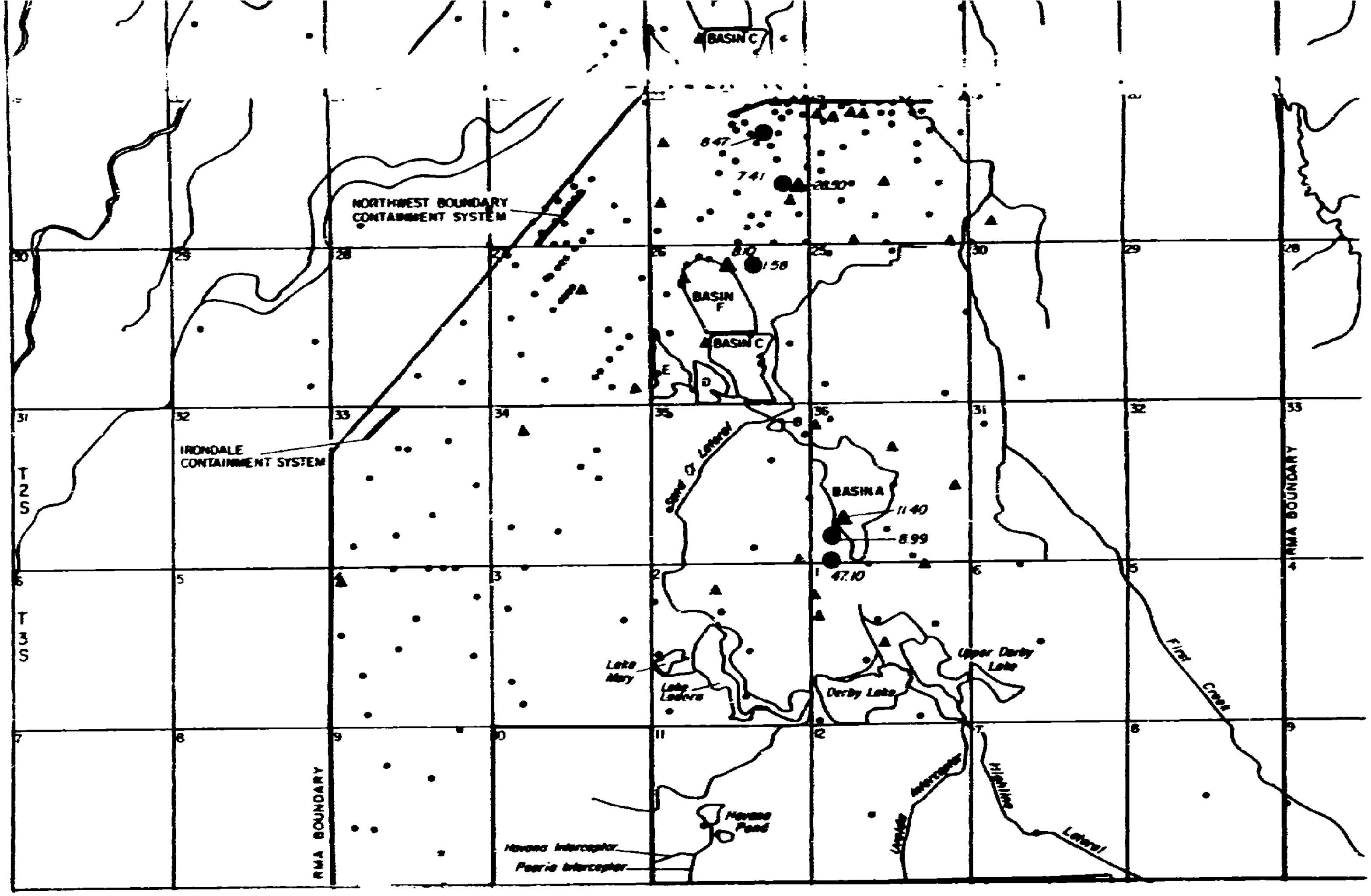
Figure D-15

CHLORODANE DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM, 3RD QUARTER, FY 1987

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal



R66W
R67W
Barr Lake
Second Creek
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
T 1 S
T 2 S



EXPLANATION

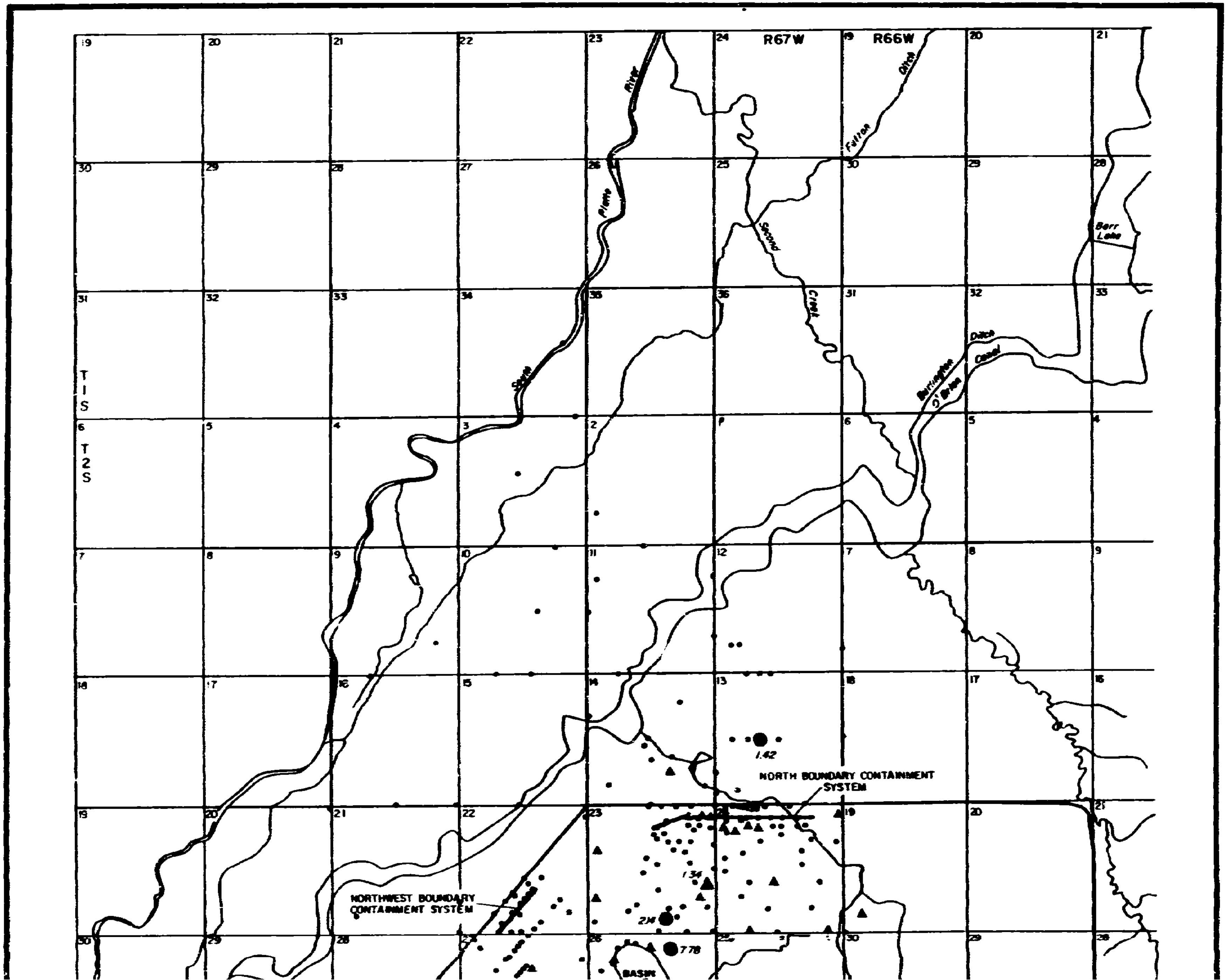
- Alluvial Well
- Unconfined Denver Formation Well
- 8.99 Alluvial Detection, Units In ug/l
- 11.40 Unconfined Denver Formation Detection, Units In ug/l

Figure D–16

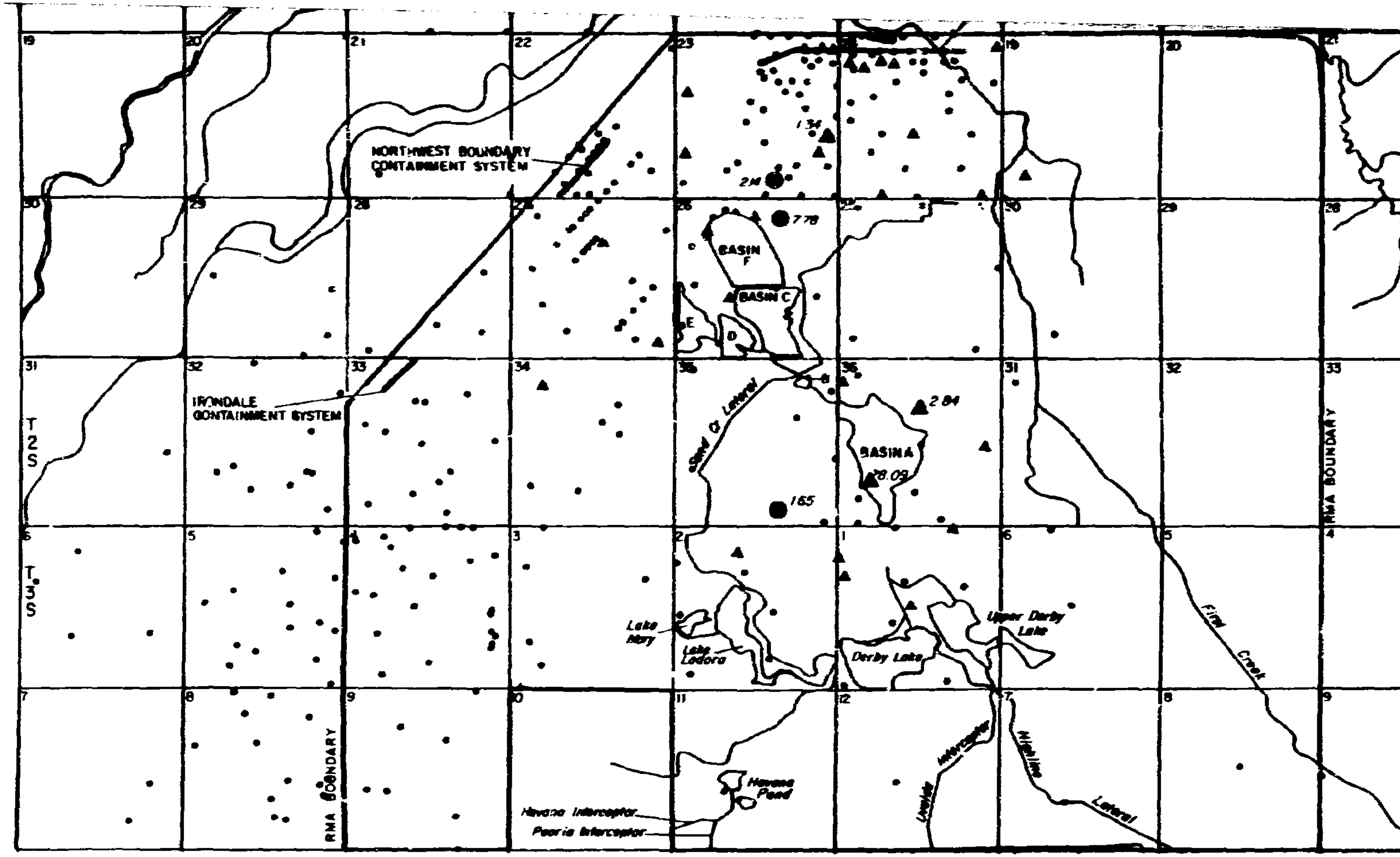
DMDS DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM
3RD QUARTER, FY 1987

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



R67W
R66W
T 1 S
T 2 S
Platte River
Second Creek
Fulton Ditch
Burlington O'Brian Canal
Ditch
Barr Lake
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
BASIN
1.42
1.34
2.14
7.78



EXPLANATION

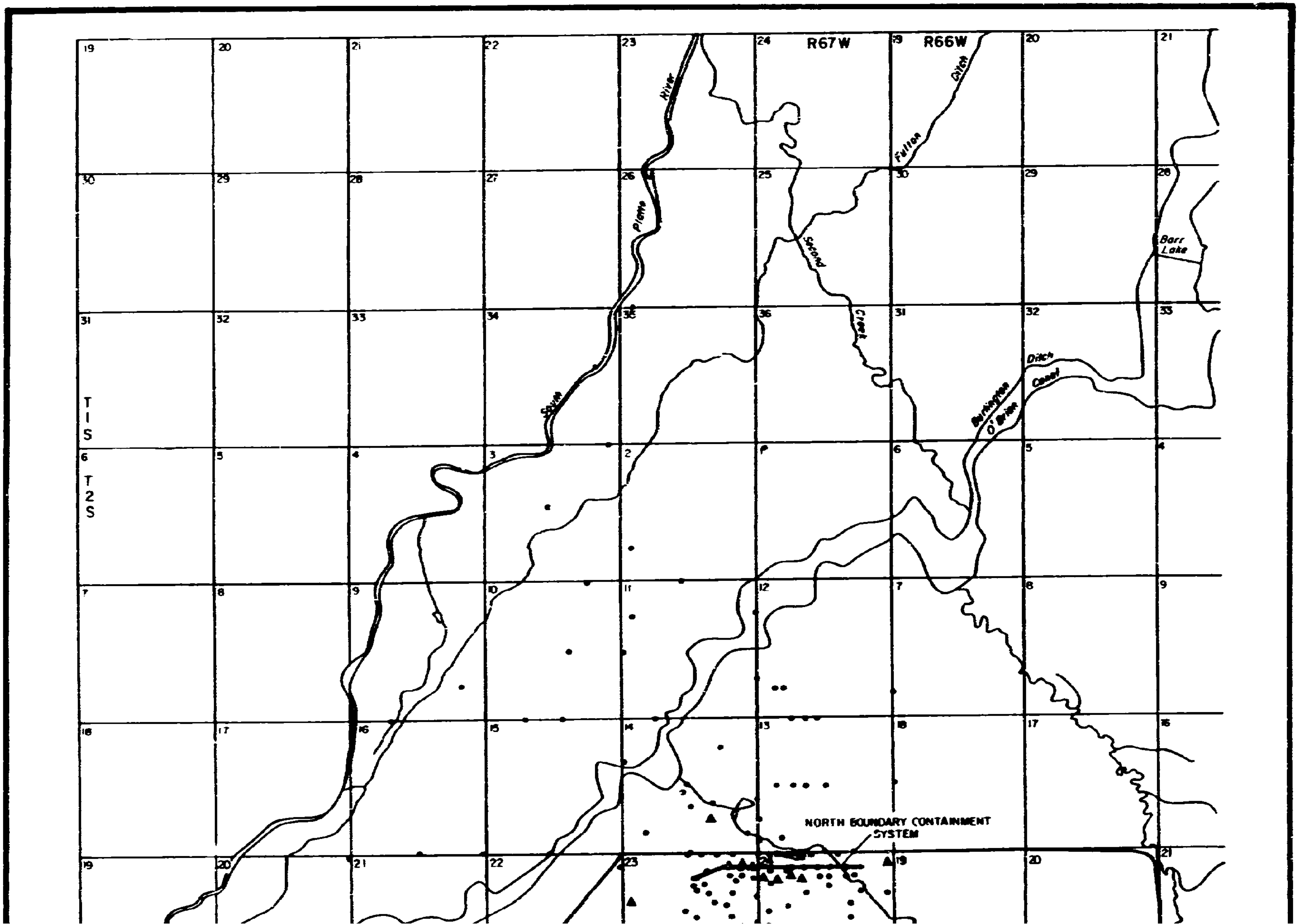
- • Alluvial Well
- ▲ Unconfined Denver Formation Well
- ● 1.65 Alluvial Detection, Units in ug/l
- ▲ 28.09 Unconfined Denver Formation Detection, Units in ug/l

ETHYLBENZENE DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



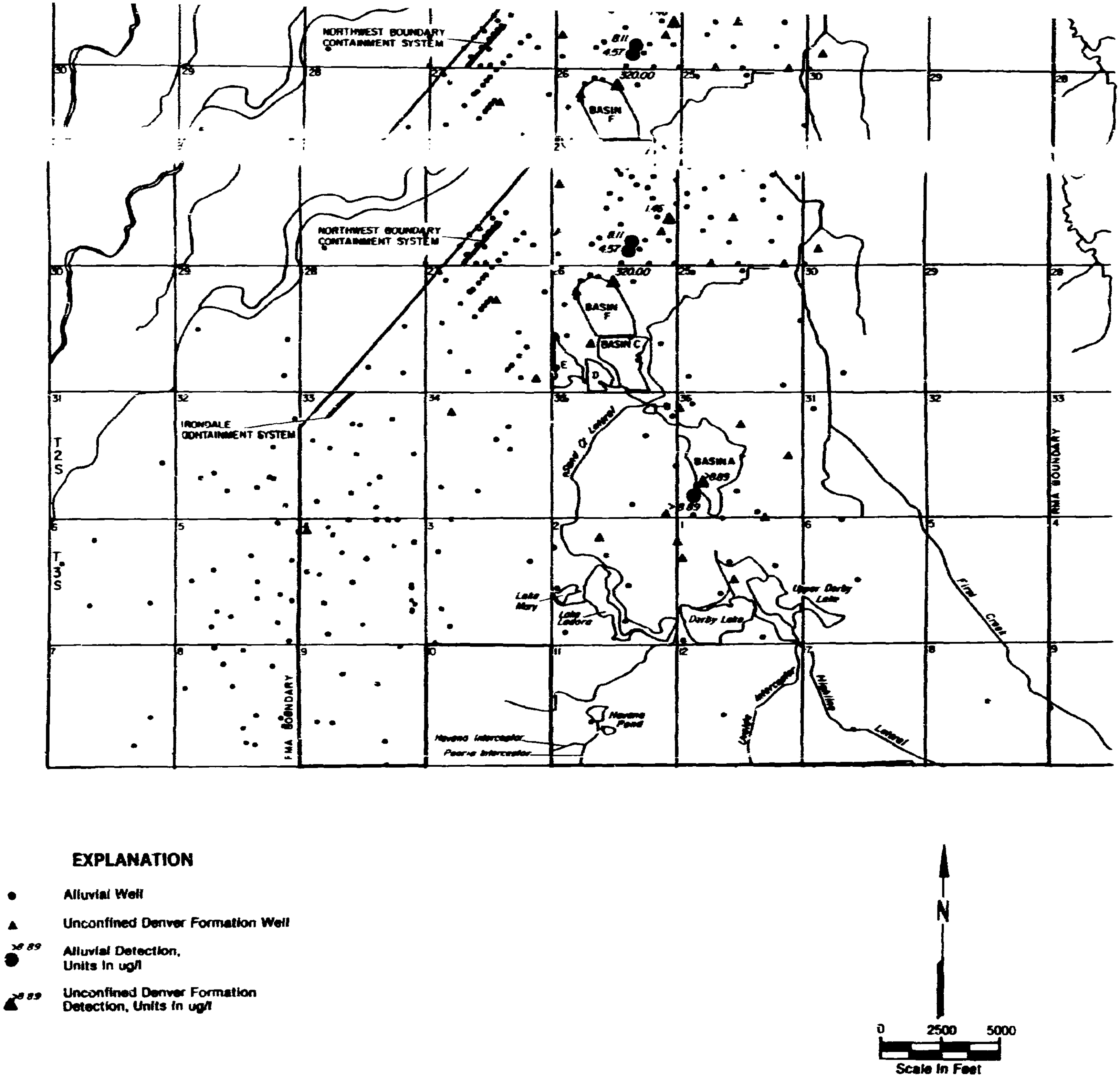
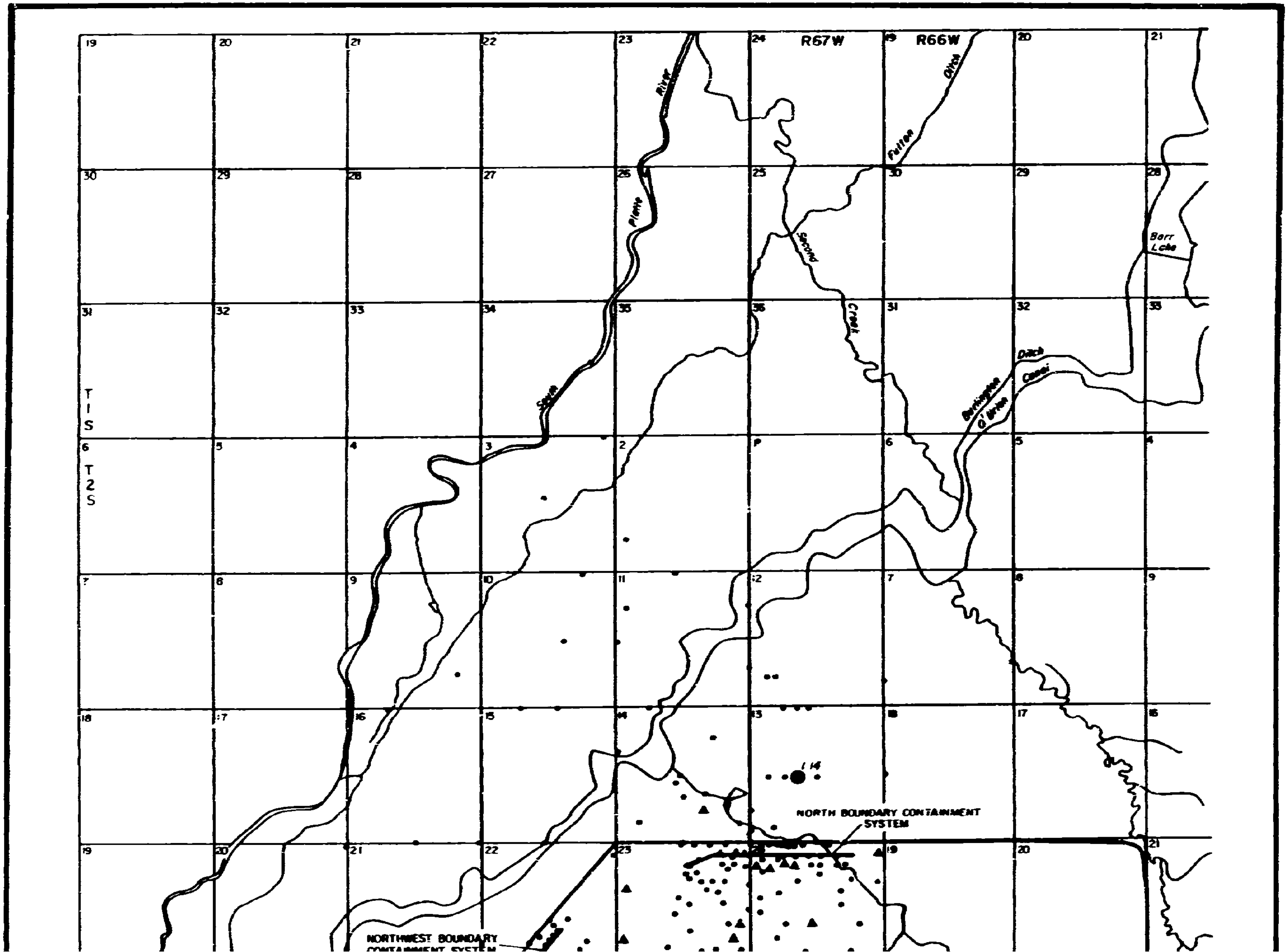


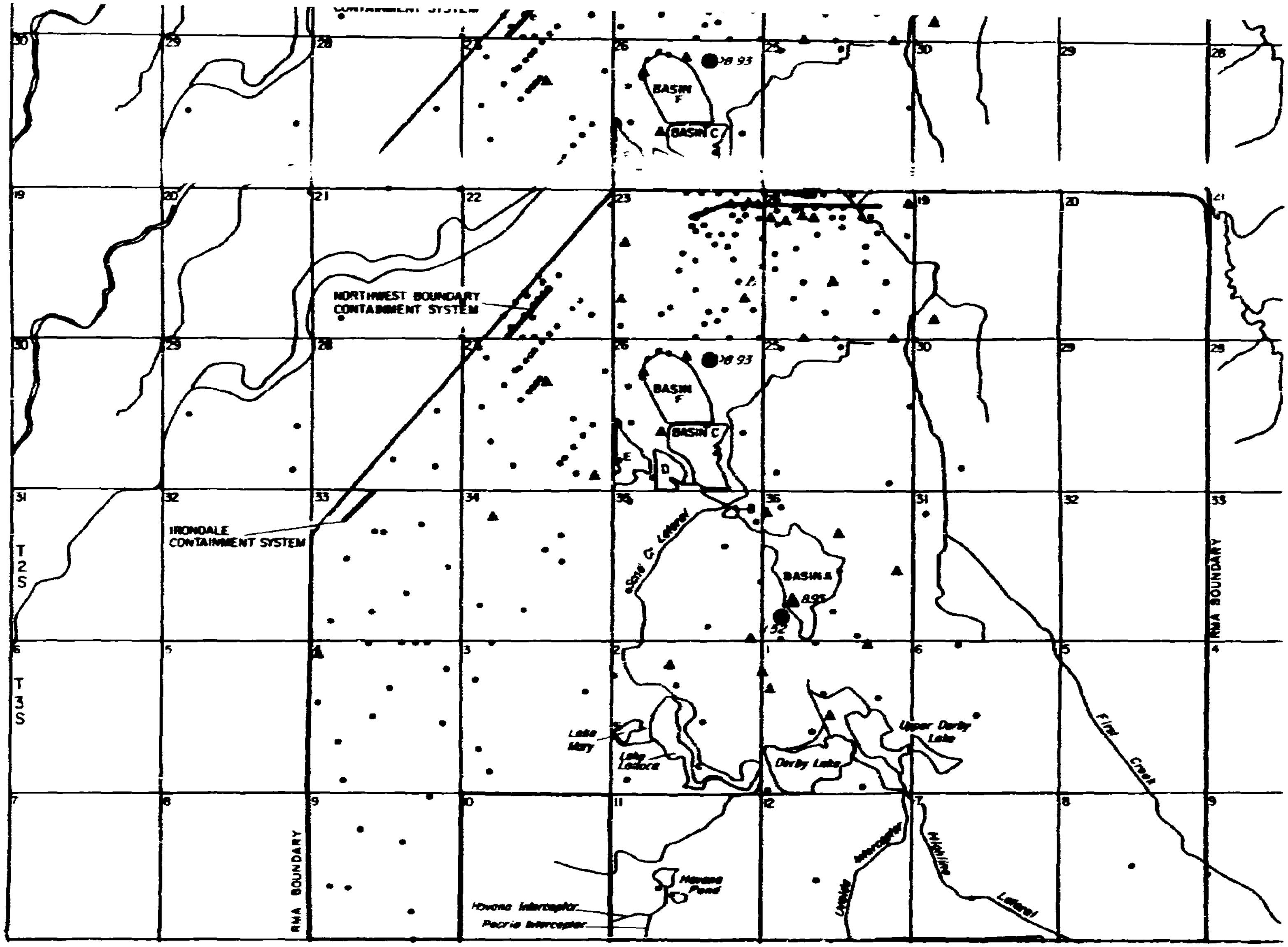
Figure D-18

Prepared for:
U.S. Army Program Manager's Office

SOURCE: Hunter/ESE, 1988

Aberdeen Proving Ground, Maryland





EXPLANATION

- Alluvial Well
- Unconfined Denver Formation Well
- Alluvial Detection, Units in ug/l
- Unconfined Denver Formation Detection, Units in ug/l

N

0 2500 5000
Scale in Feet

Figure D-19

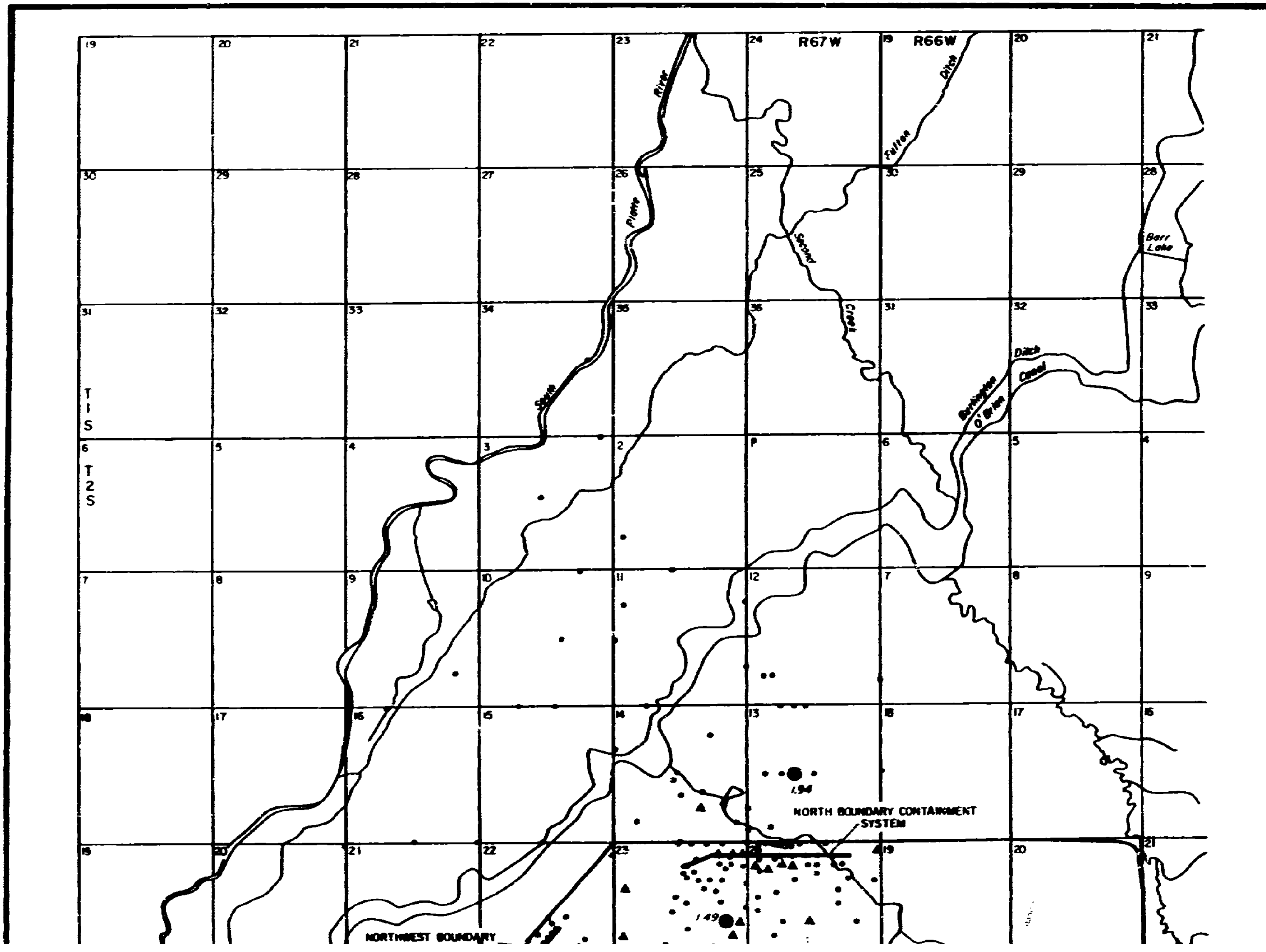
Prepared for:

3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



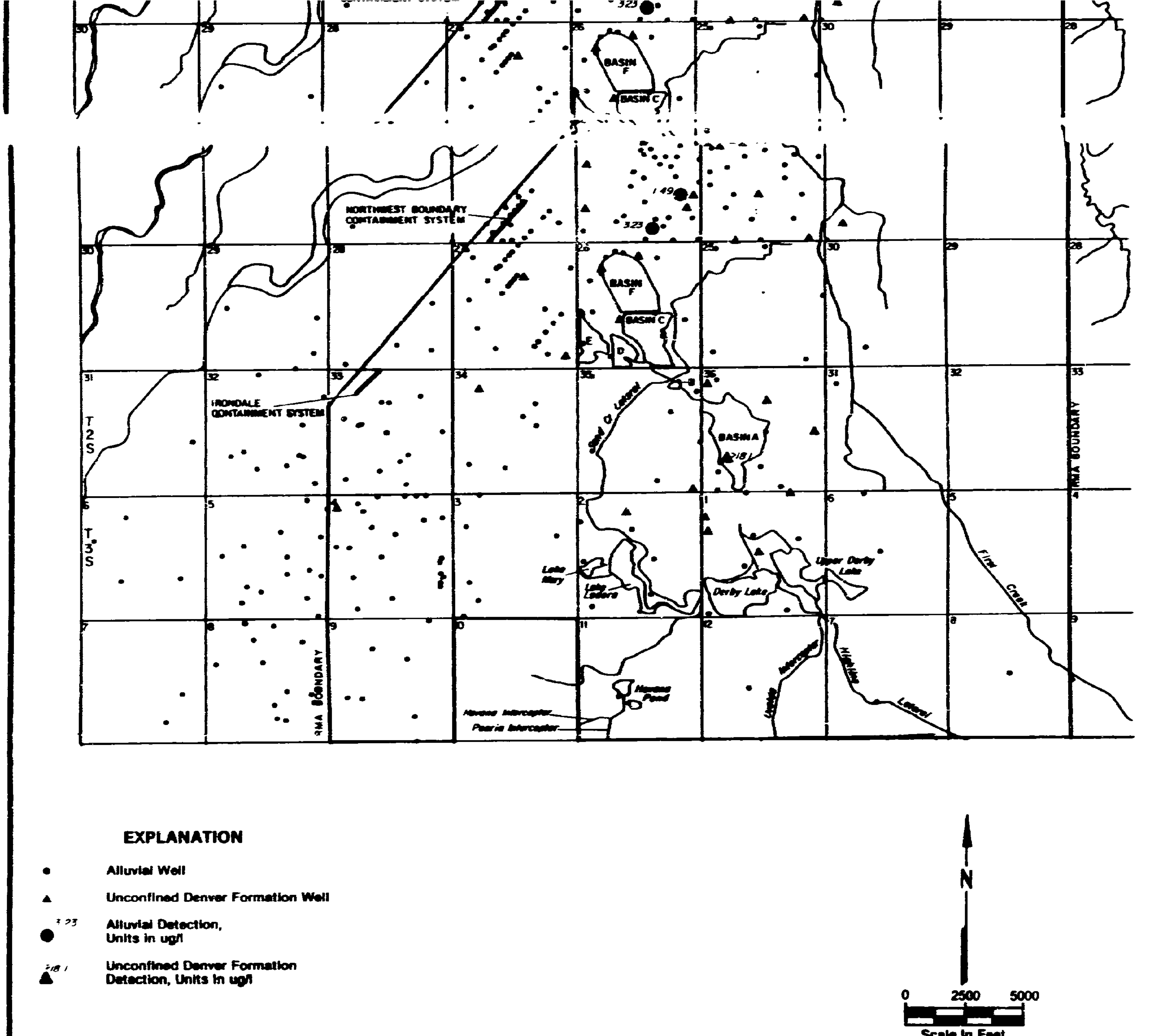


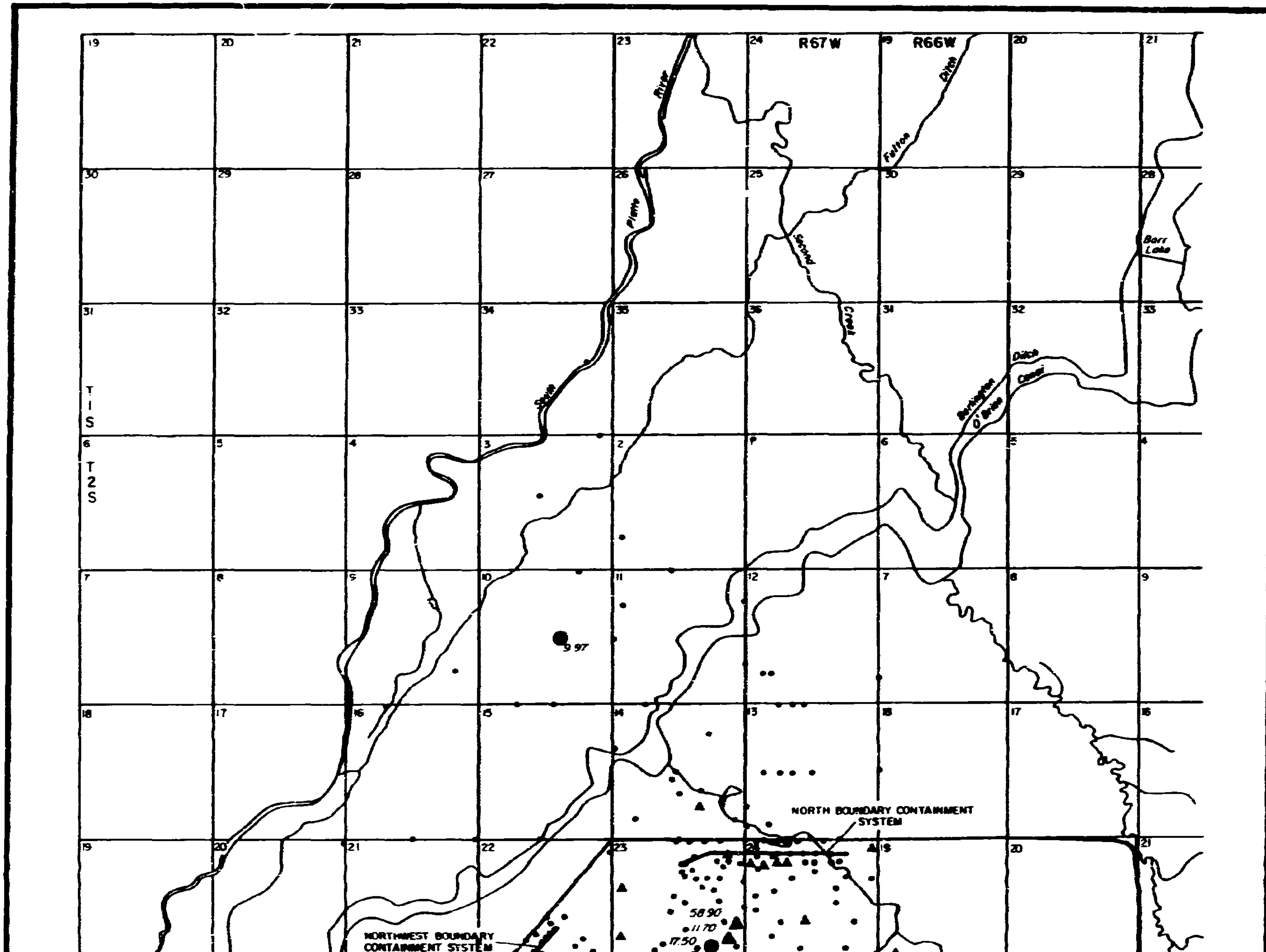
Figure D-20

O,P-XYLENE DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM

Prepared for:
U.S. Army Program Manager's Office

SOURCE: Hunter/ESE, 1988

Aberdeen Proving Ground, Maryland



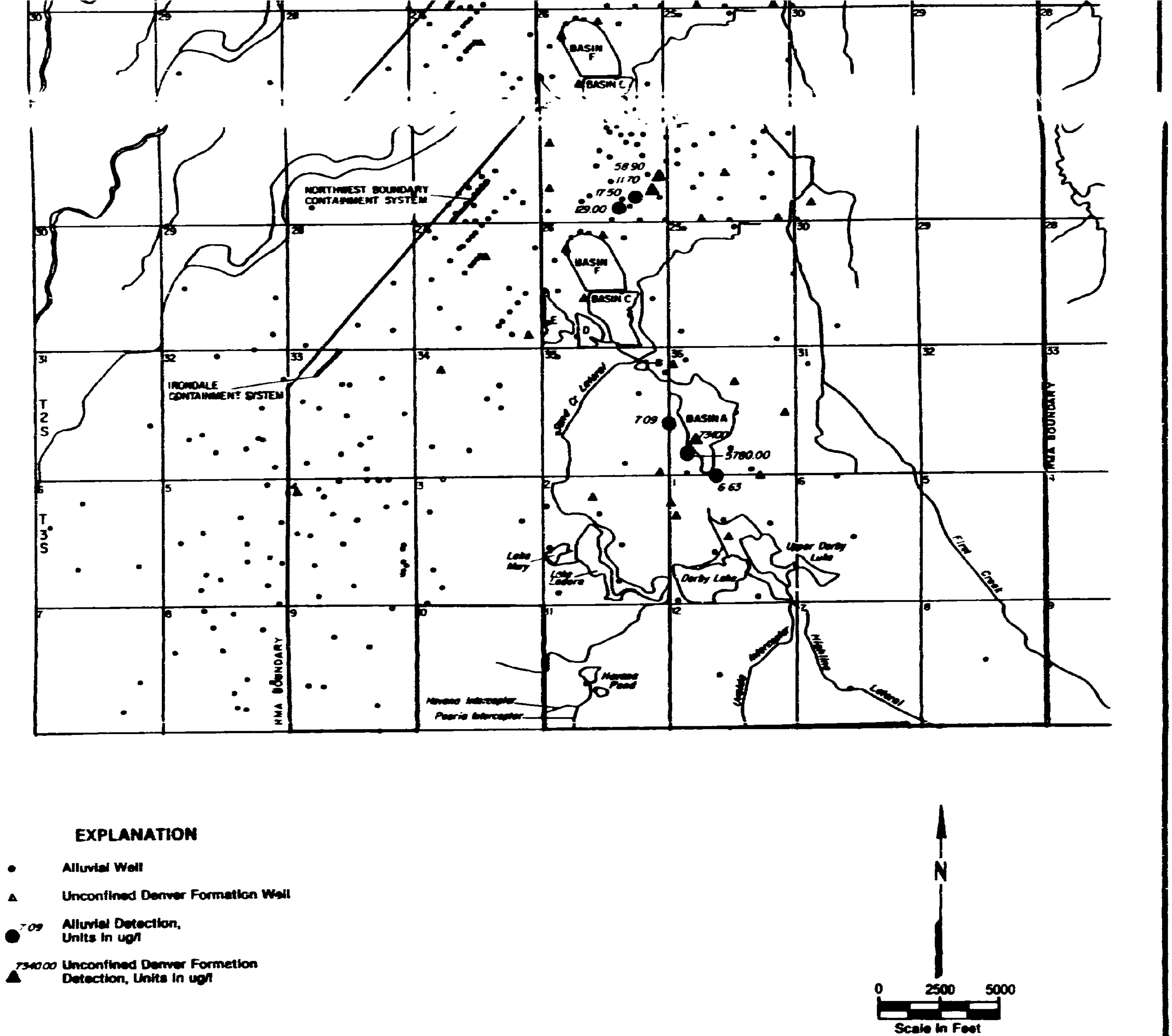


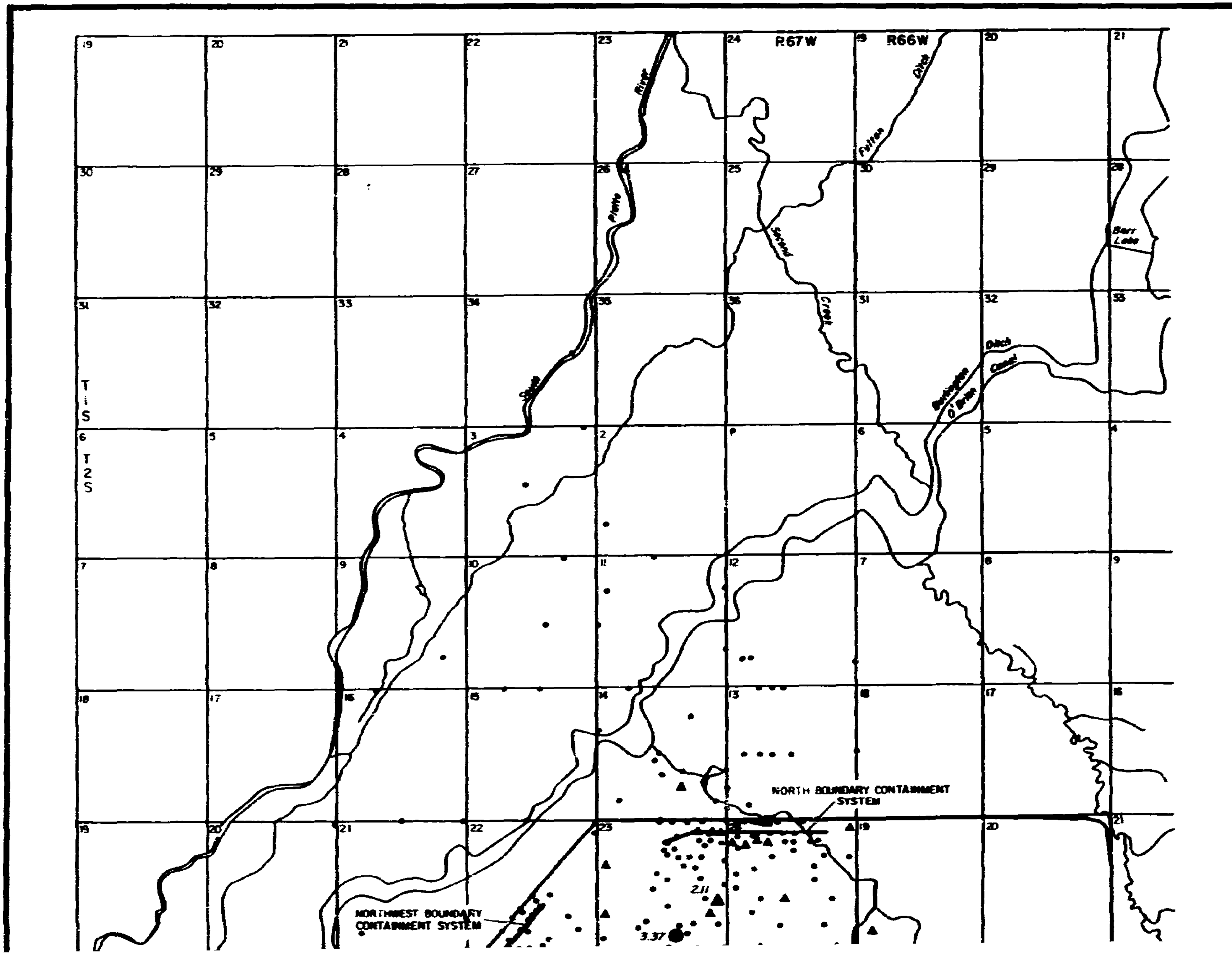
Figure D-21

METHYLENE CHLORIDE DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM, 3RD QUARTER, FY 1987

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

SOURCE: Hunter/ESE, 1988

Aberdeen Proving Ground, Maryland



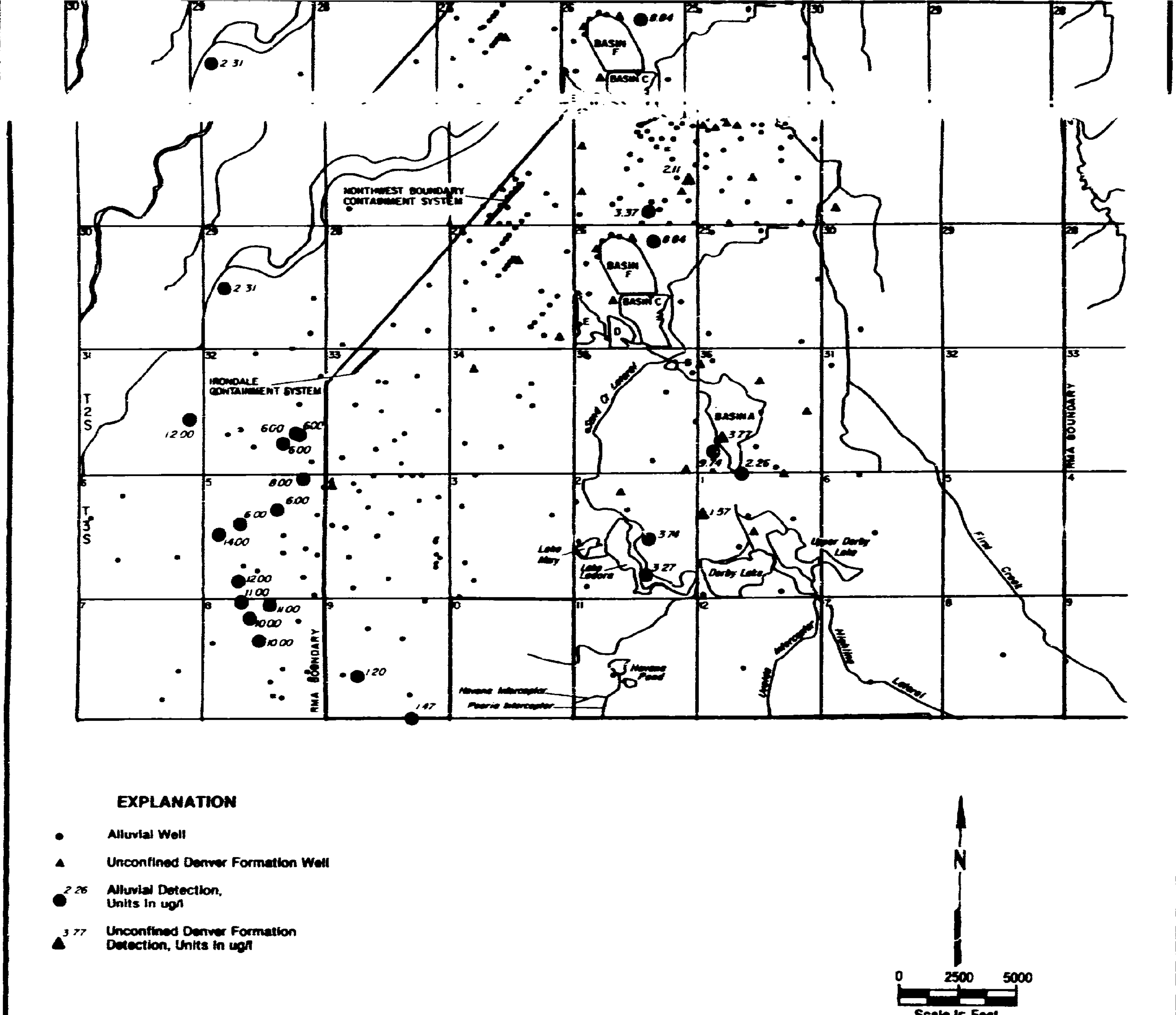


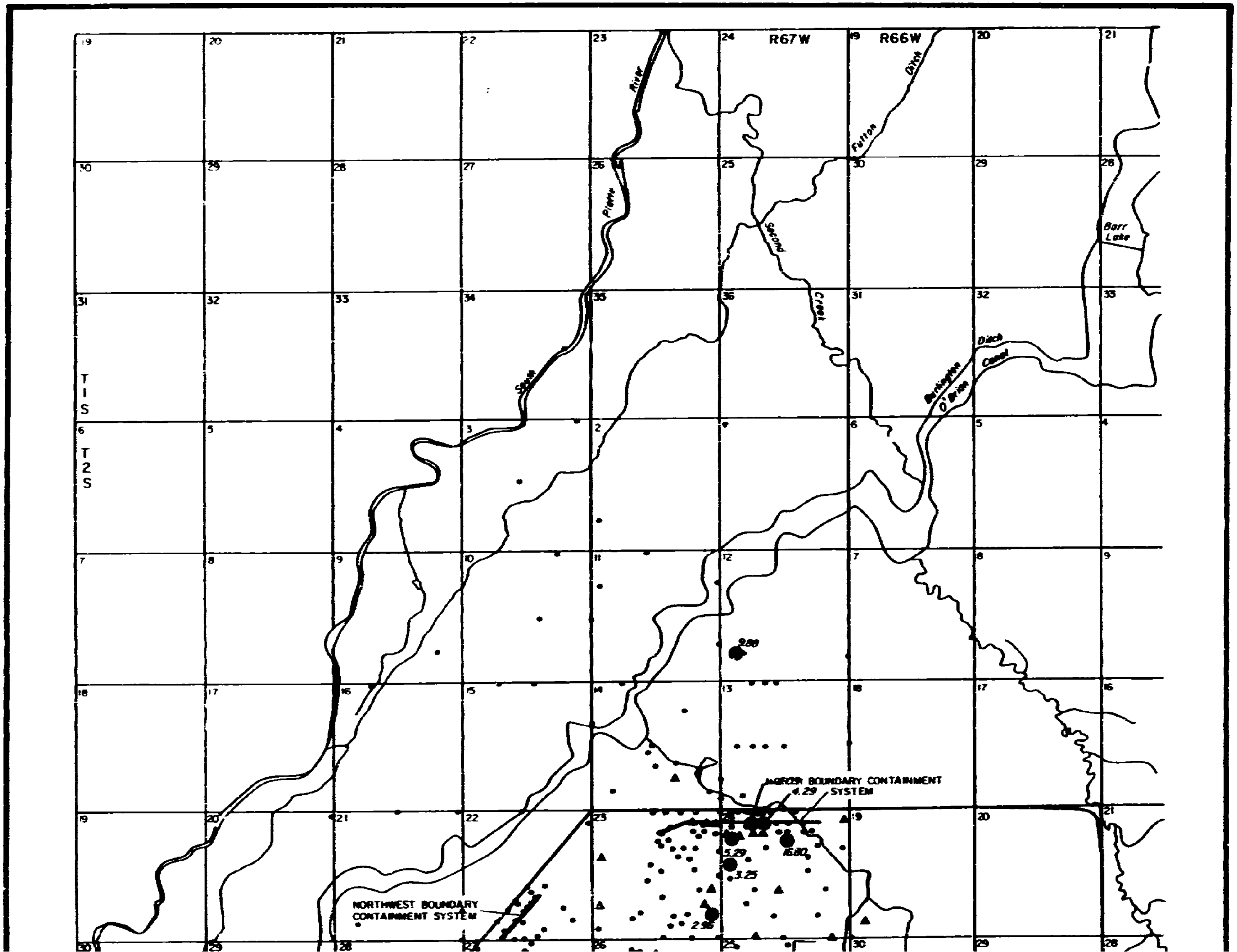
Figure D-22

11 DICHLOROETHANE DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM, 3RD QUARTER, FY 1987

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

SOURCE: Hunter/ESE, 1986

Aberdeen Proving Ground, Maryland



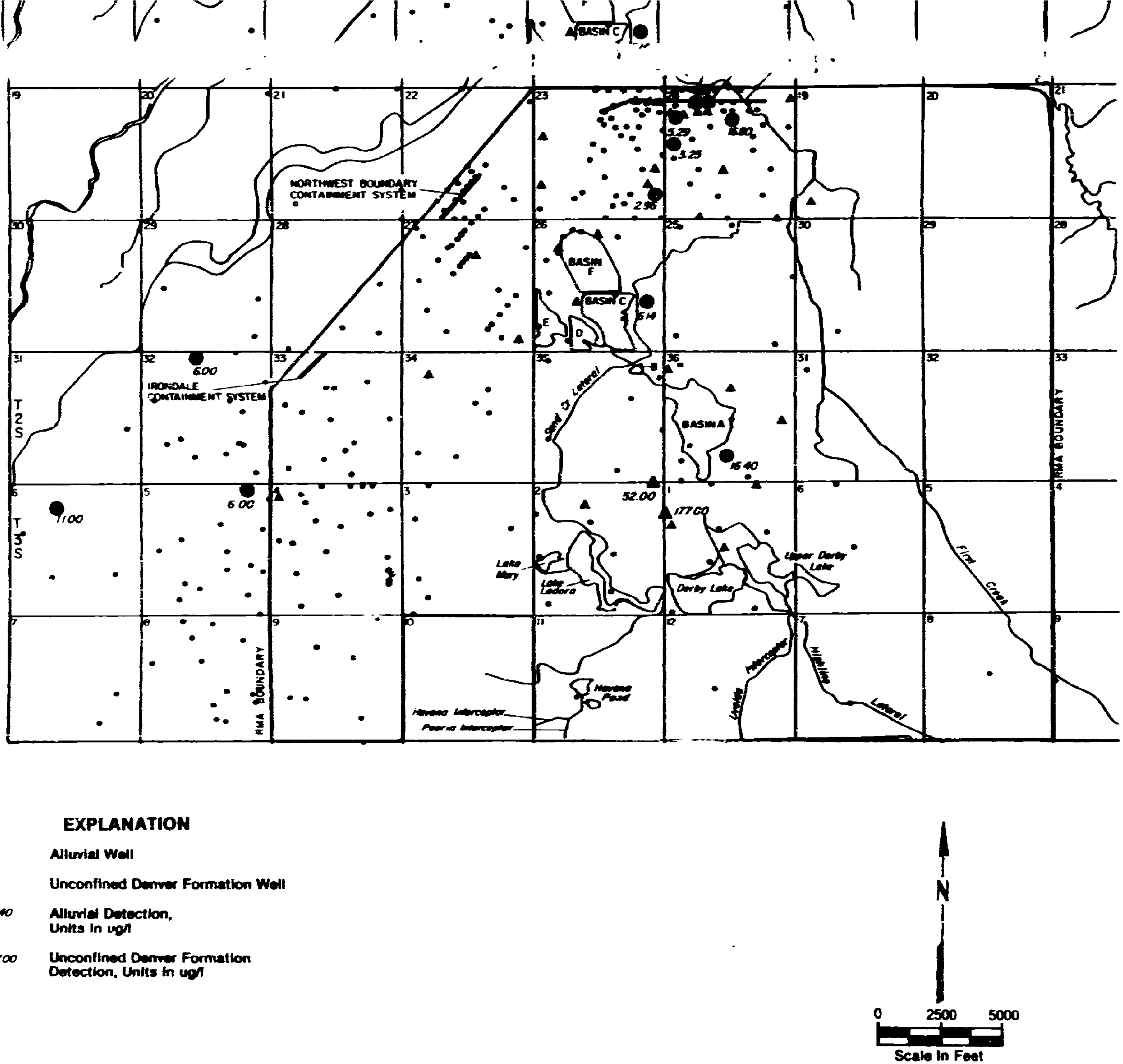
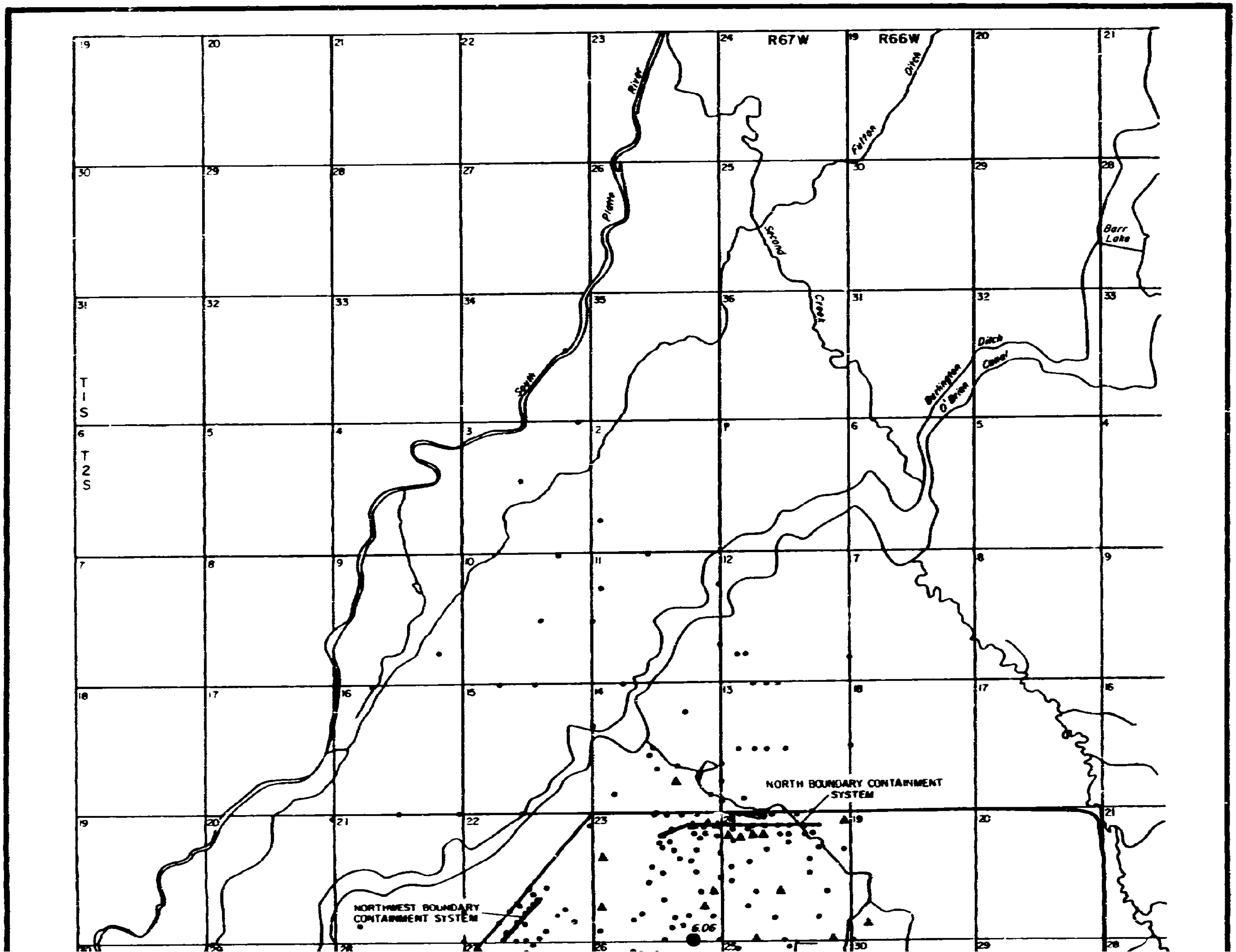
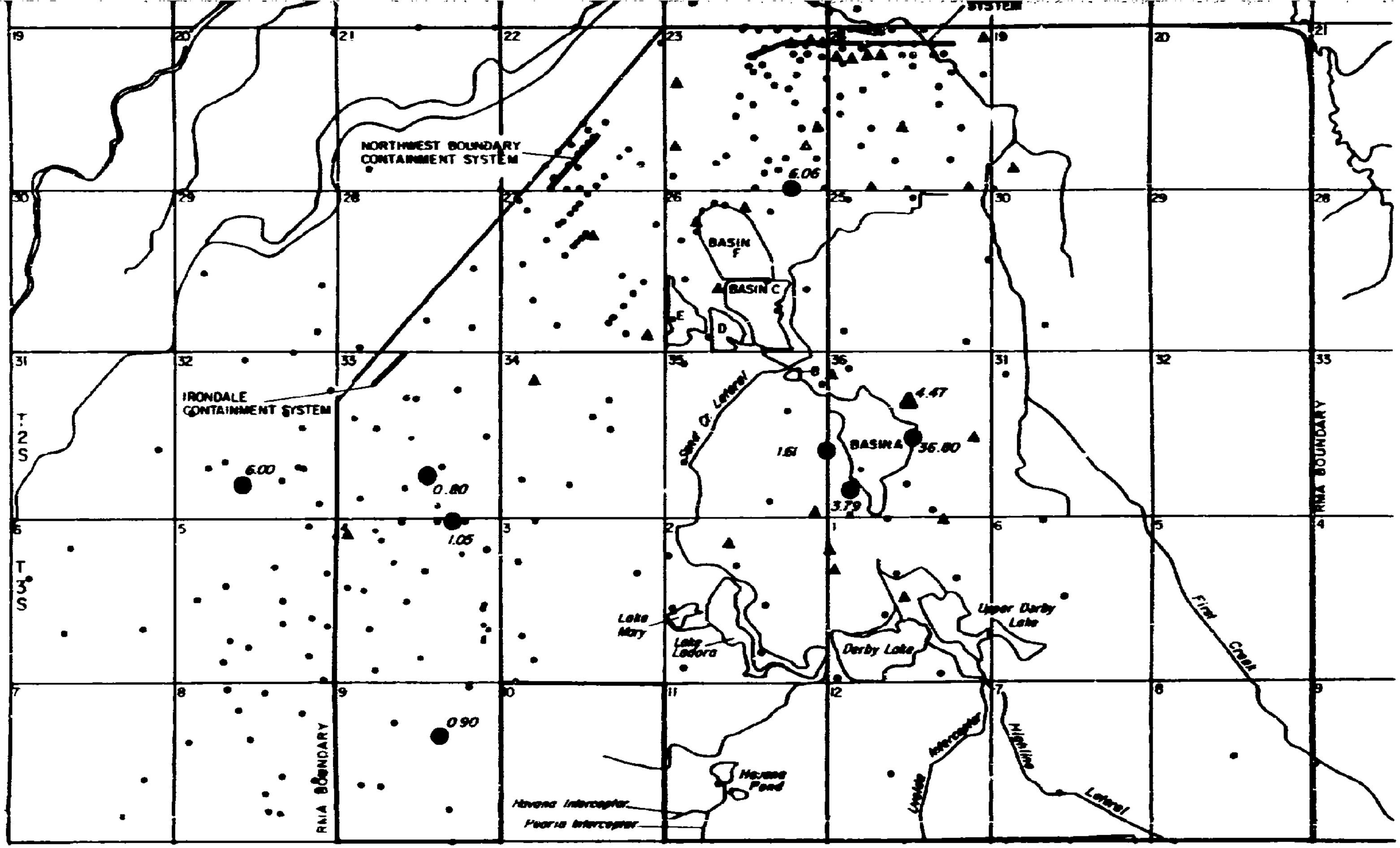


Figure D-23

CARBON TETRACHLORIDE DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM, 3RD QUARTER, FY 1987

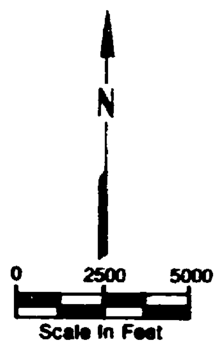
Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal


R67W
R66W
T1S
T2S
South Platte River
Second Creek
Fulton Ditch
Barr Lake
Burlington O'Brien Canal
Ditch
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
6.06



EXPLANATION

- ● Alluvial Well
- ▲ Unconfined Denver Formation Well
- ● 0.90 Alluvial Detection, Units in ug/l
- ▲ 4.47 Unconfined Denver Formation Detection, Units in ug/l

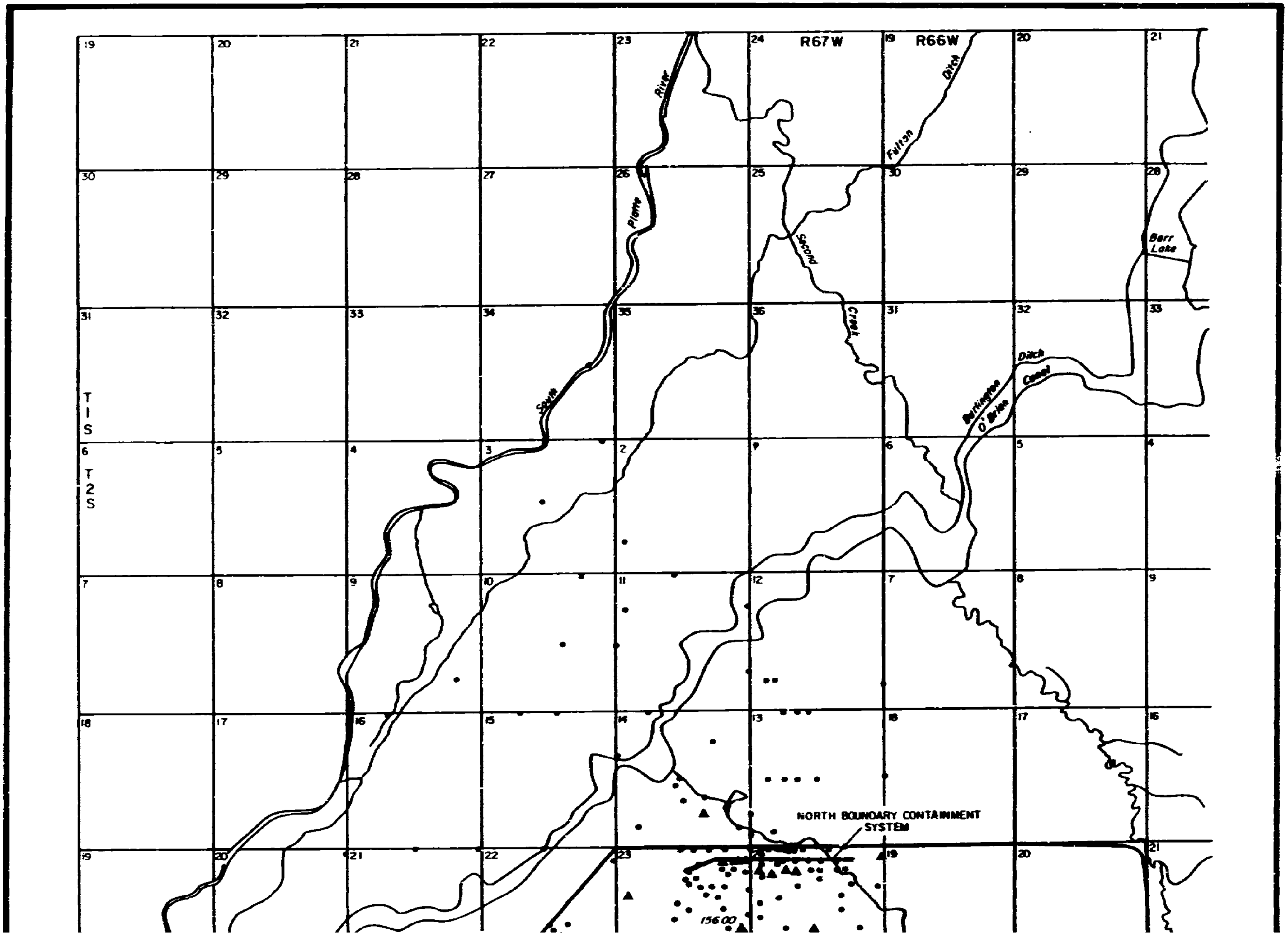


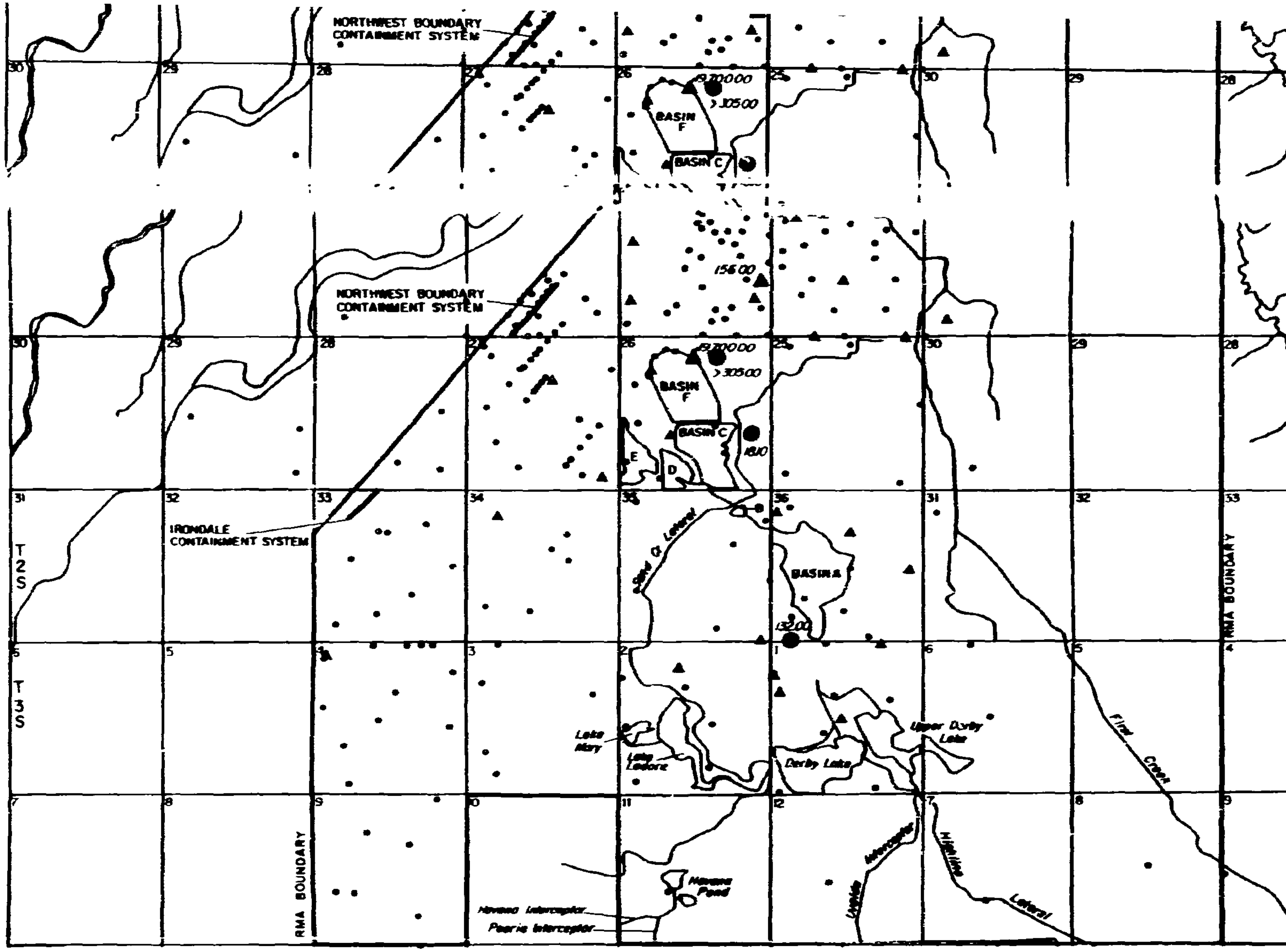
112 TRICHLOROETHANE DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland





EXPLANATION

- Alluvial Well
- Unconfined Denver Formation Well
- 132.00 Alluvial Detection, Units in ug/l
- 156.00 Unconfined Denver Formation Detection, Units in ug/l

Figure D-25

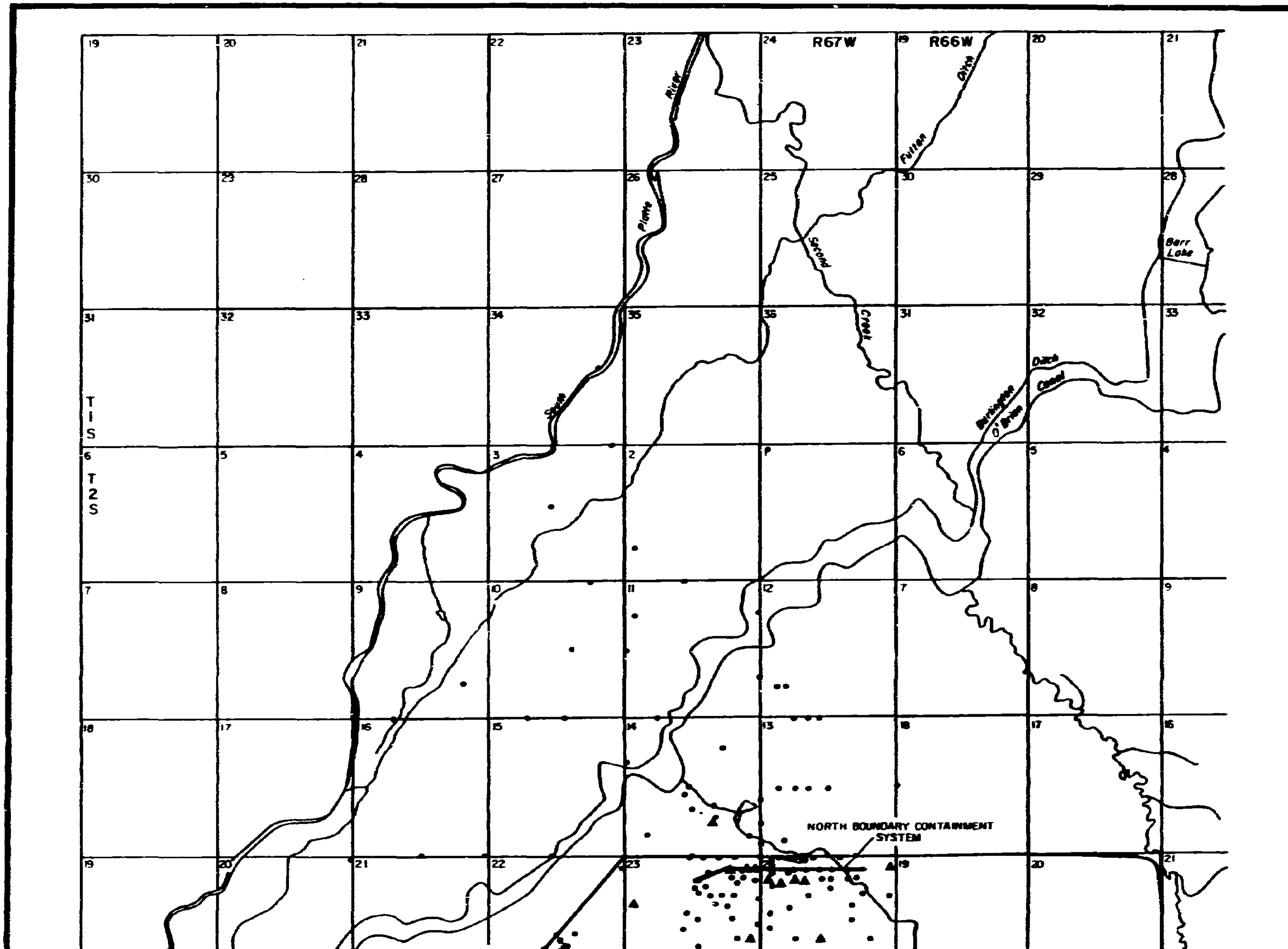
Prepared for:

3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



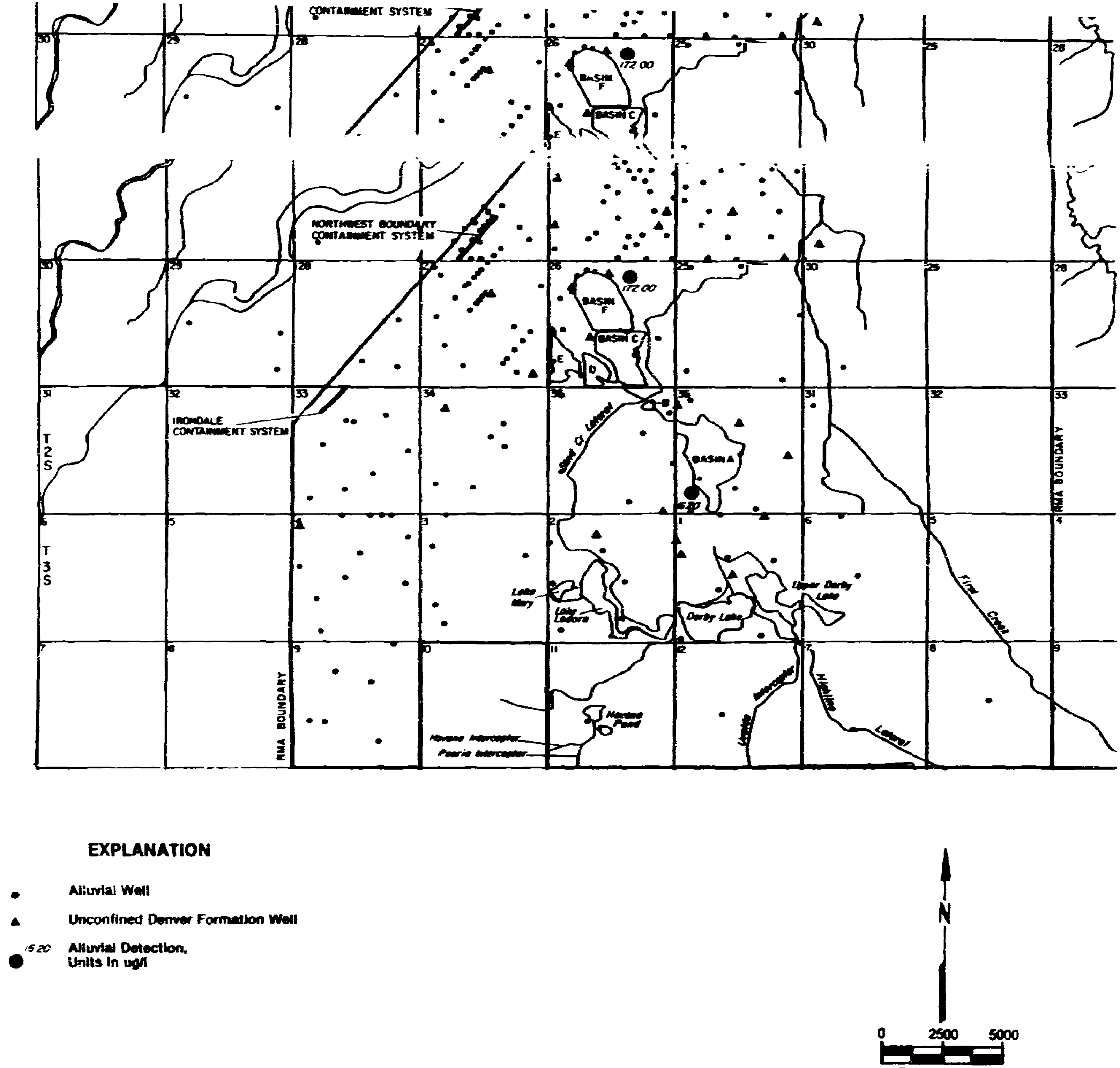


Figure D-26

MIBK DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM

Prepared for:
U.S. Army Program Manager's Office

Aberdeen Proving Ground, Maryland

SOURCE: Hunter/ESE, 1988

APPENDIX D.5: DENVER FM POINTS PLOTS (D-27 TO D-168)

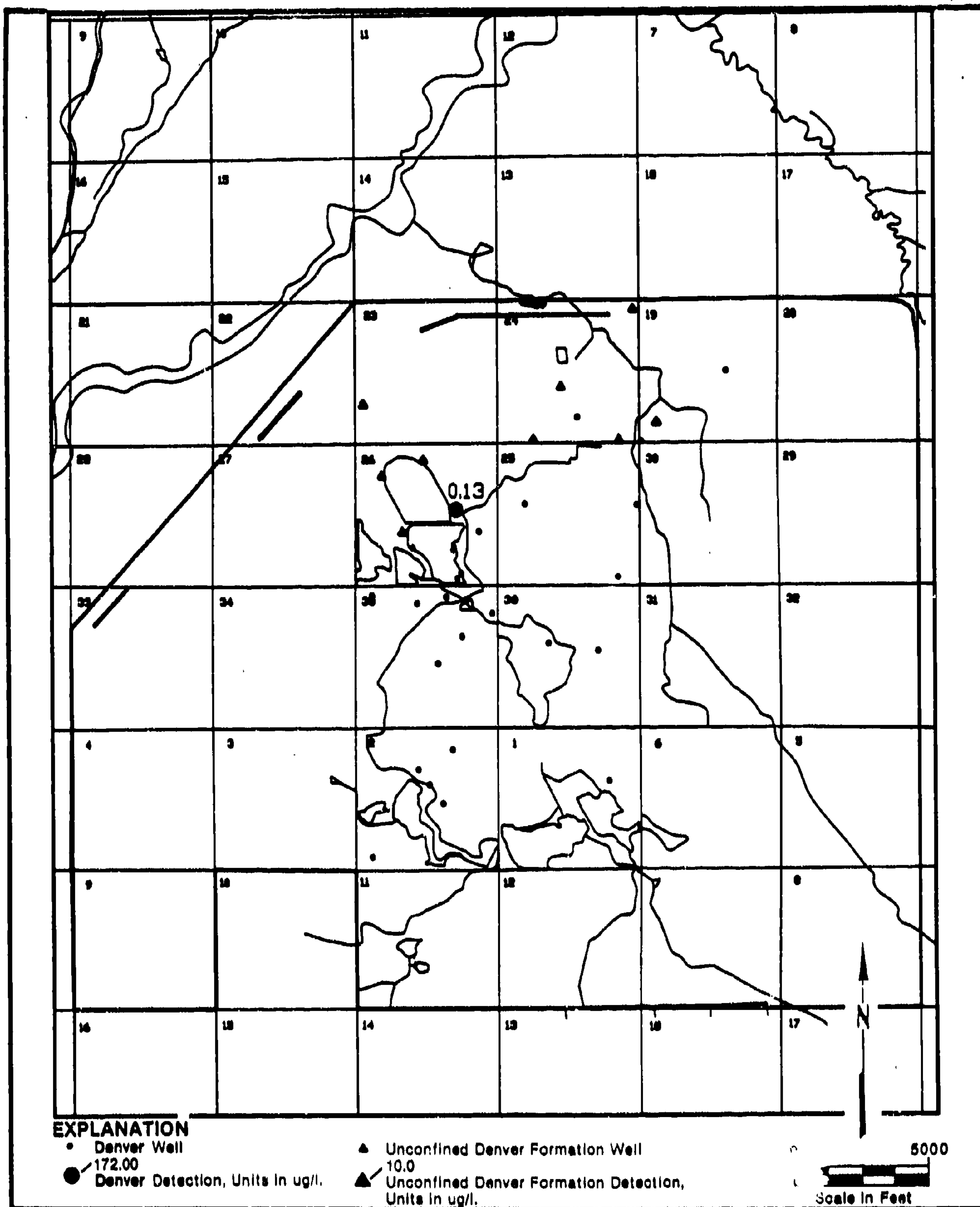
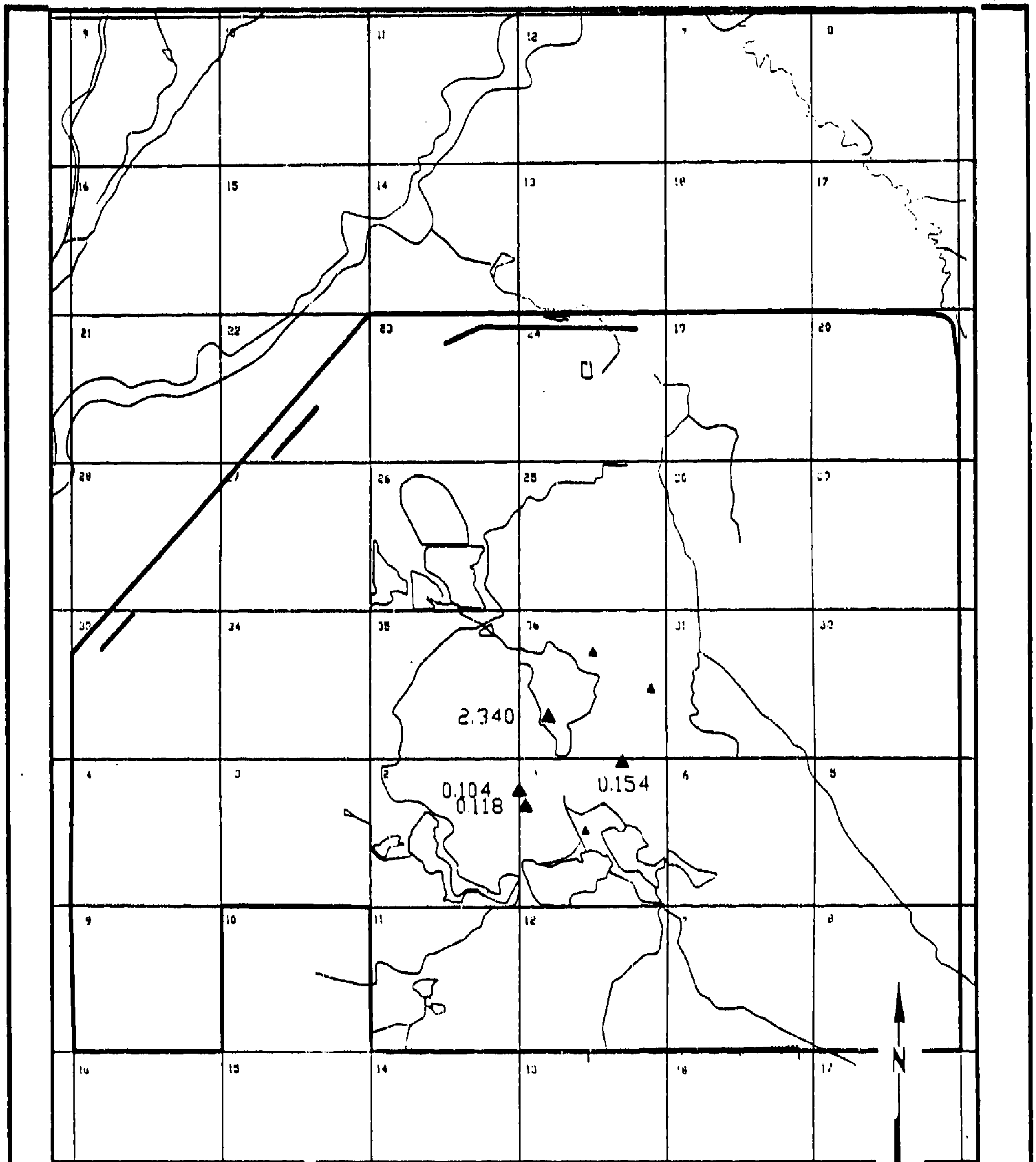


Figure D-27
ALDRIN DETECTIONS DENVER ZONE 1
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-28
DIELDRIN DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

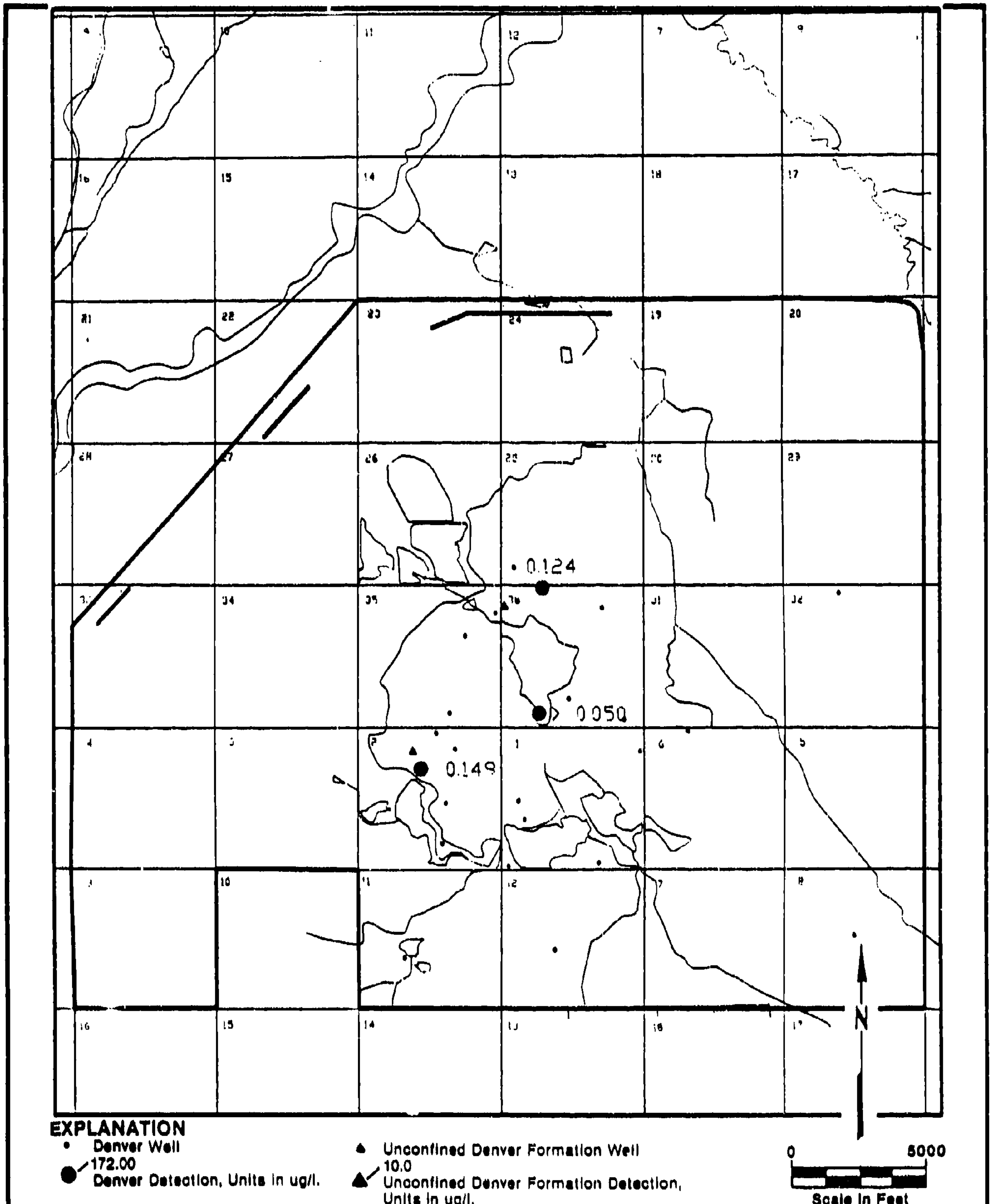


Figure D-29
DIELDRIN DETECTIONS DENVER ZONE A
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

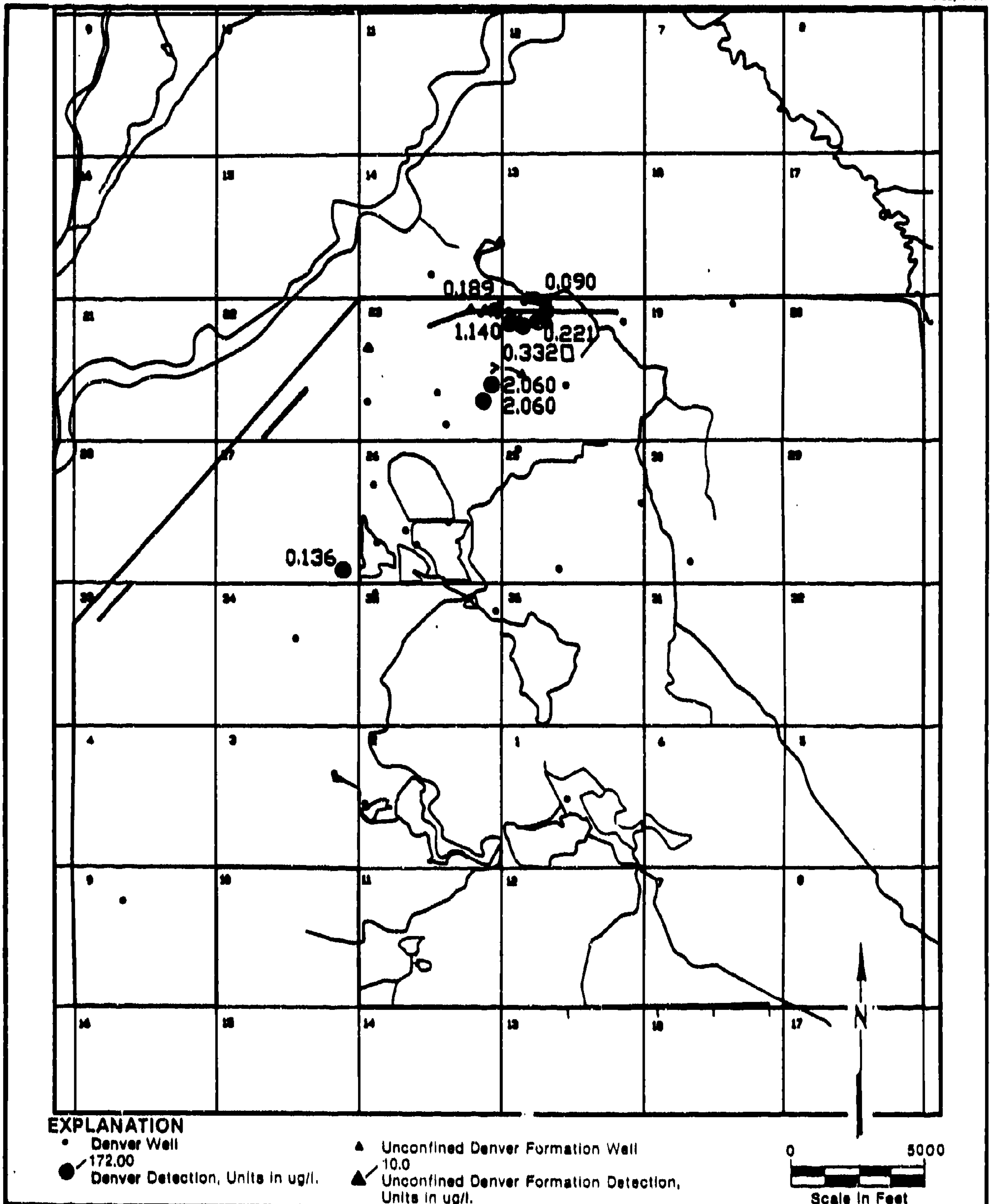


Figure D-30

DIELDRIN DETECTIONS DENVER ZONE 2
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

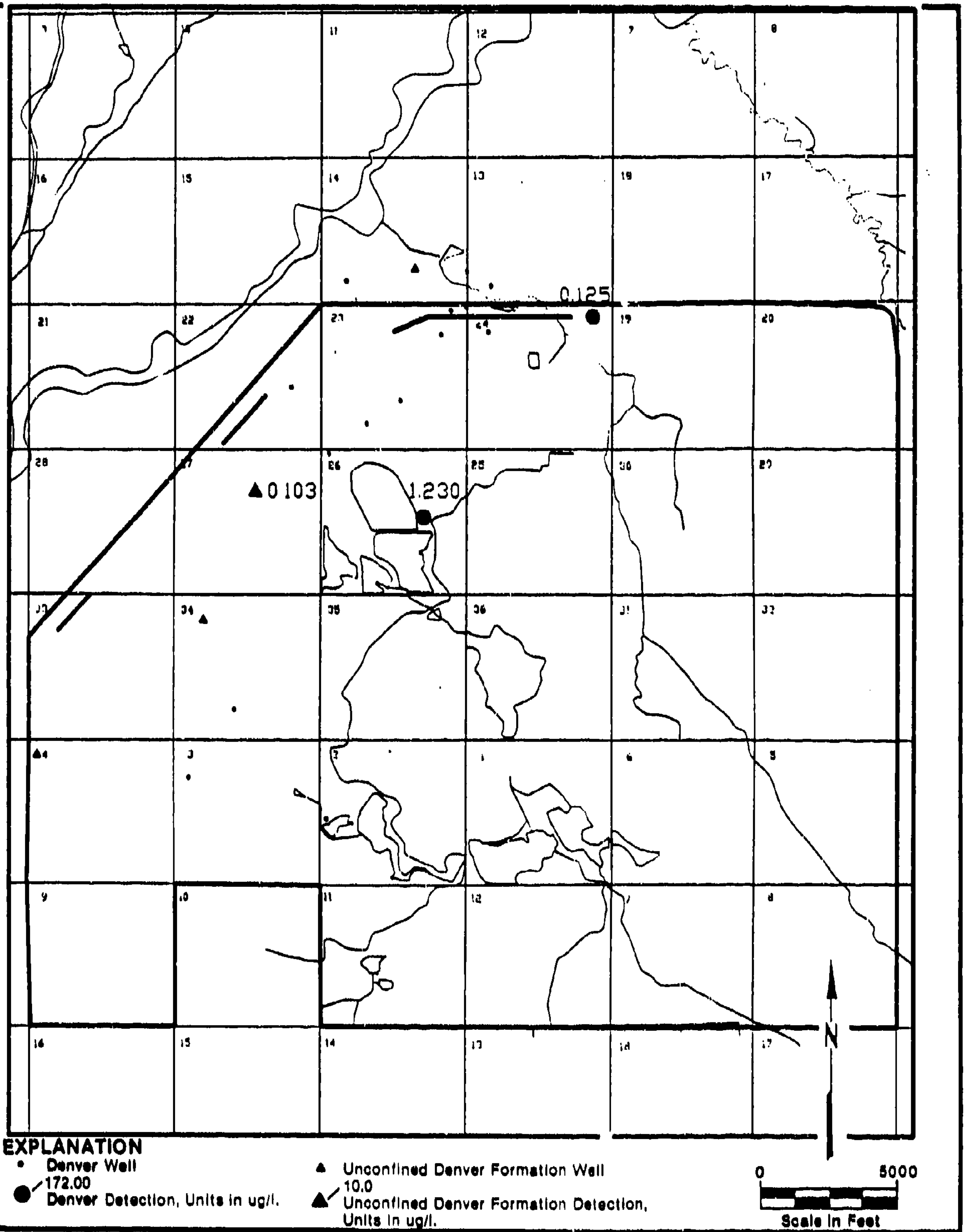
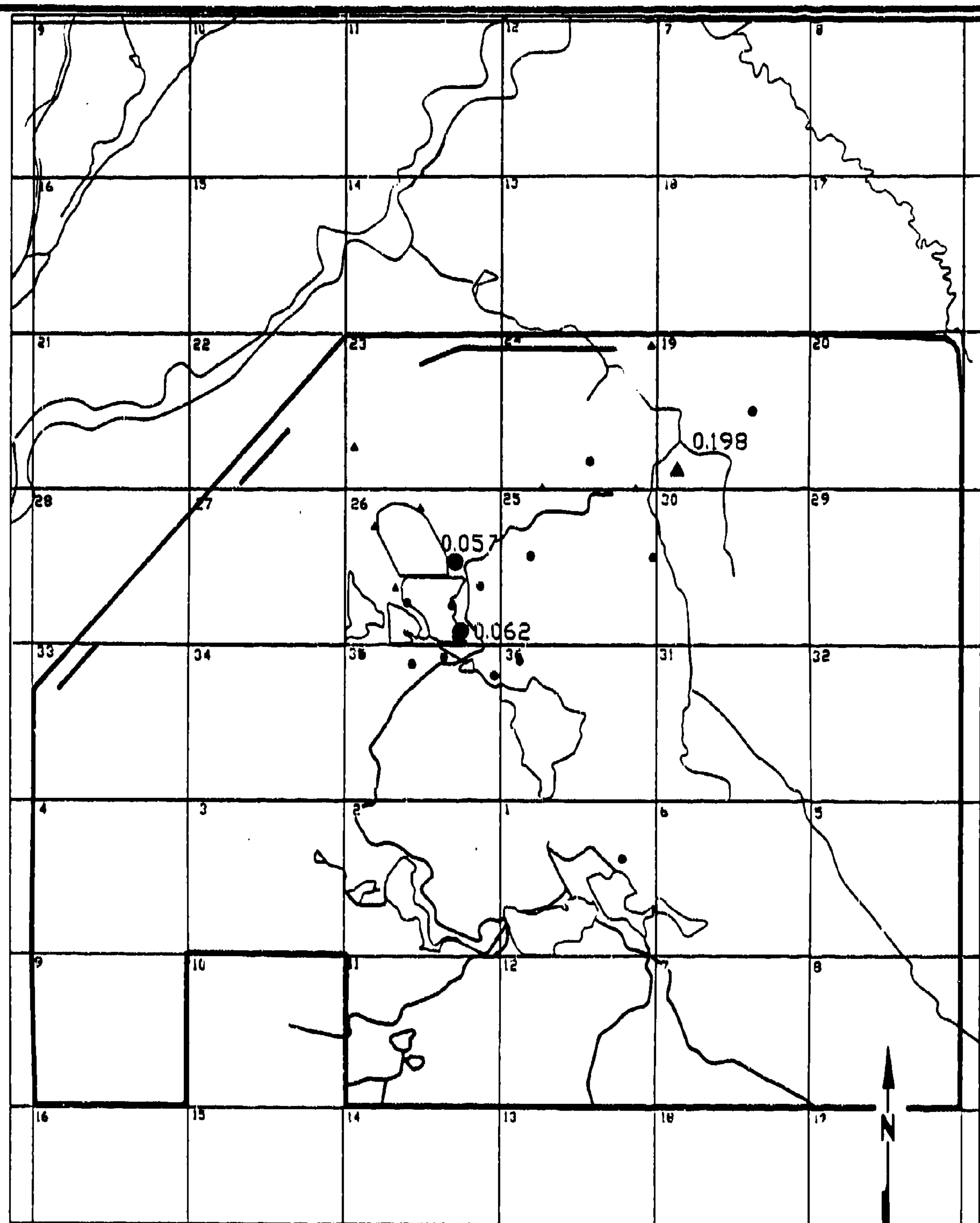


Figure D-31
DIELDRIN DETECTIONS DENVER ZONE 3
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection Units in ug/l

0 5000
Scale in Feet

Figure D-32

ENDRIN DETECTIONS DENVER ZONE 1, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

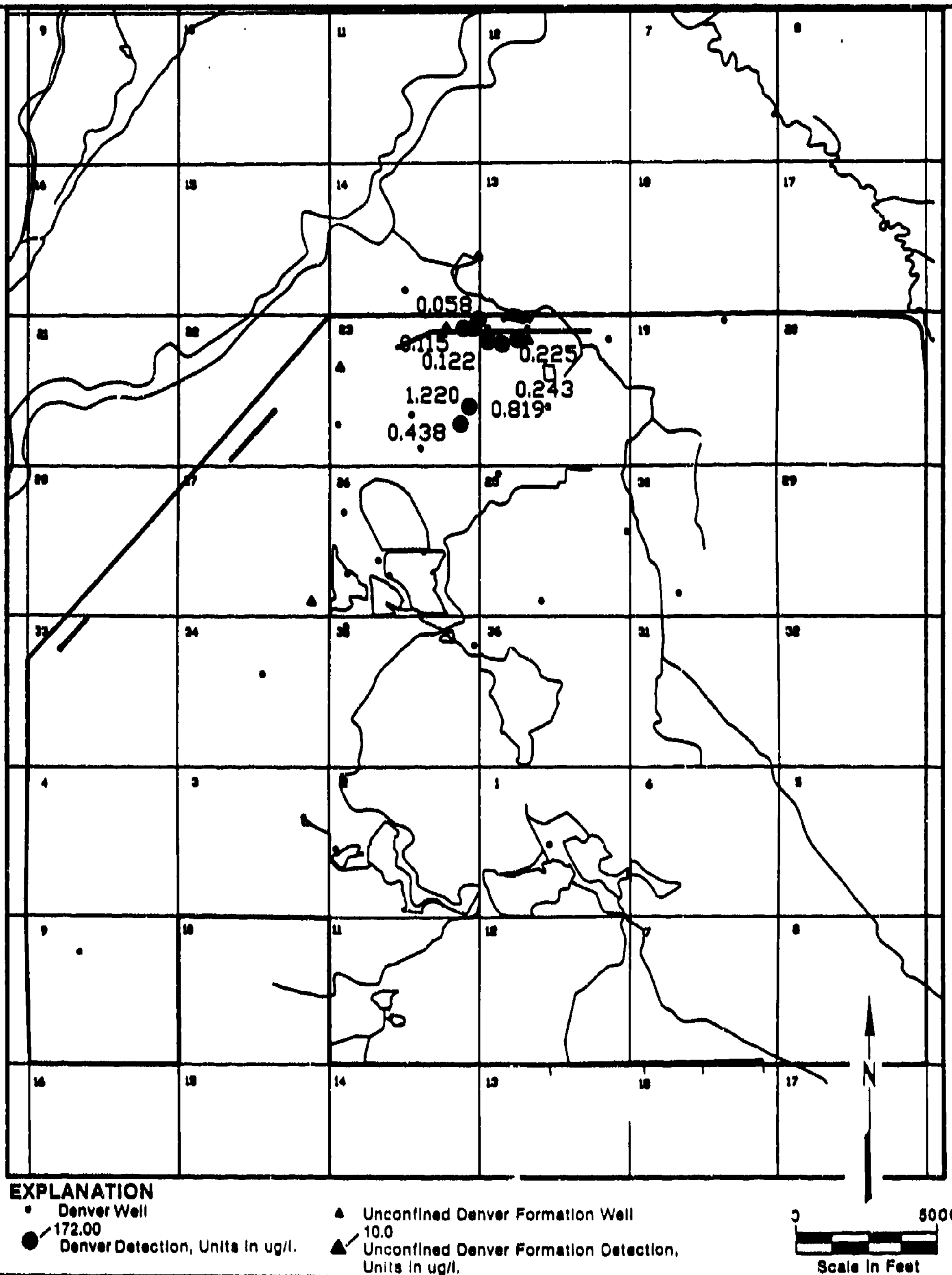
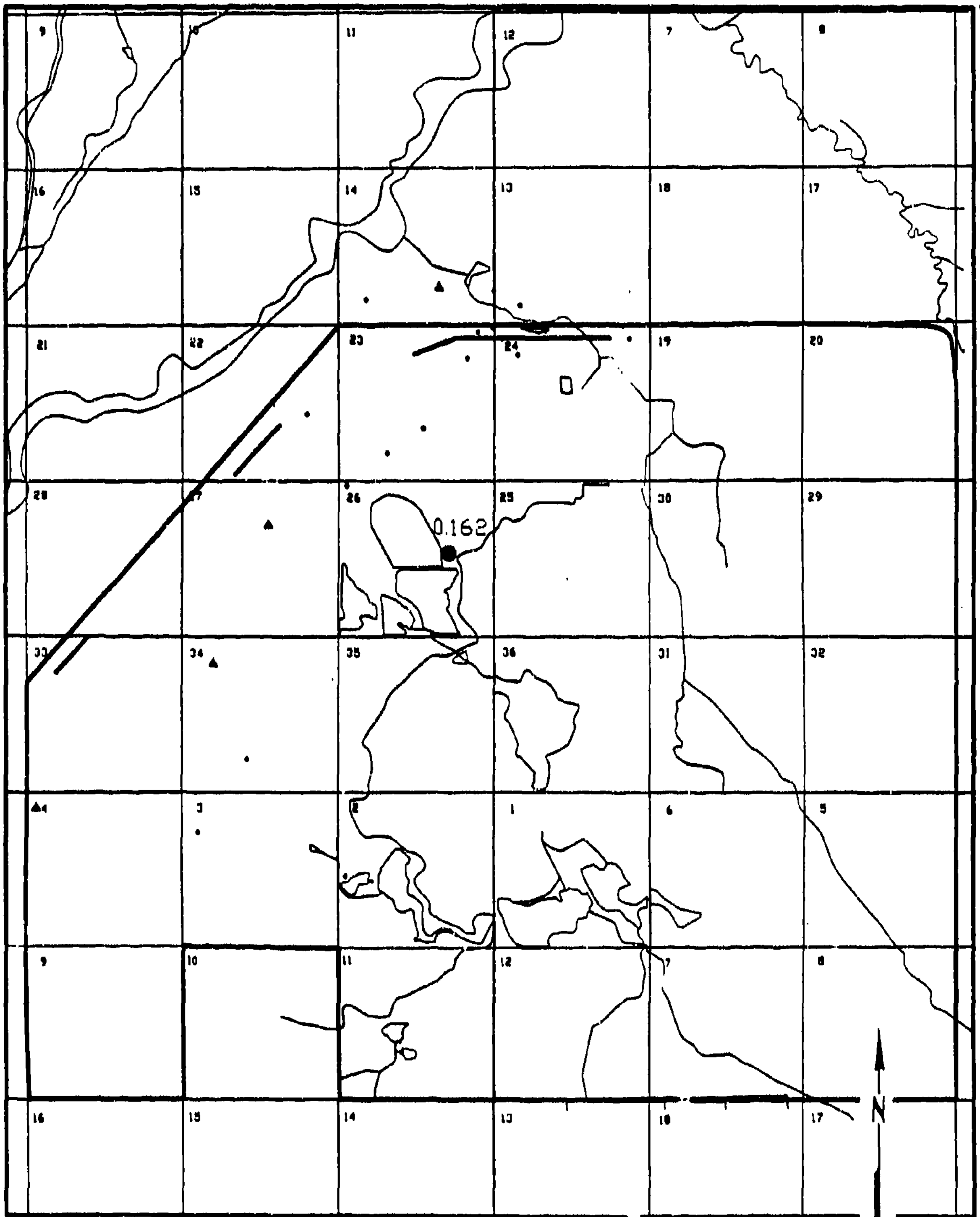


Figure D-33

ENDRIN DETECTIONS DENVER ZONE 2 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

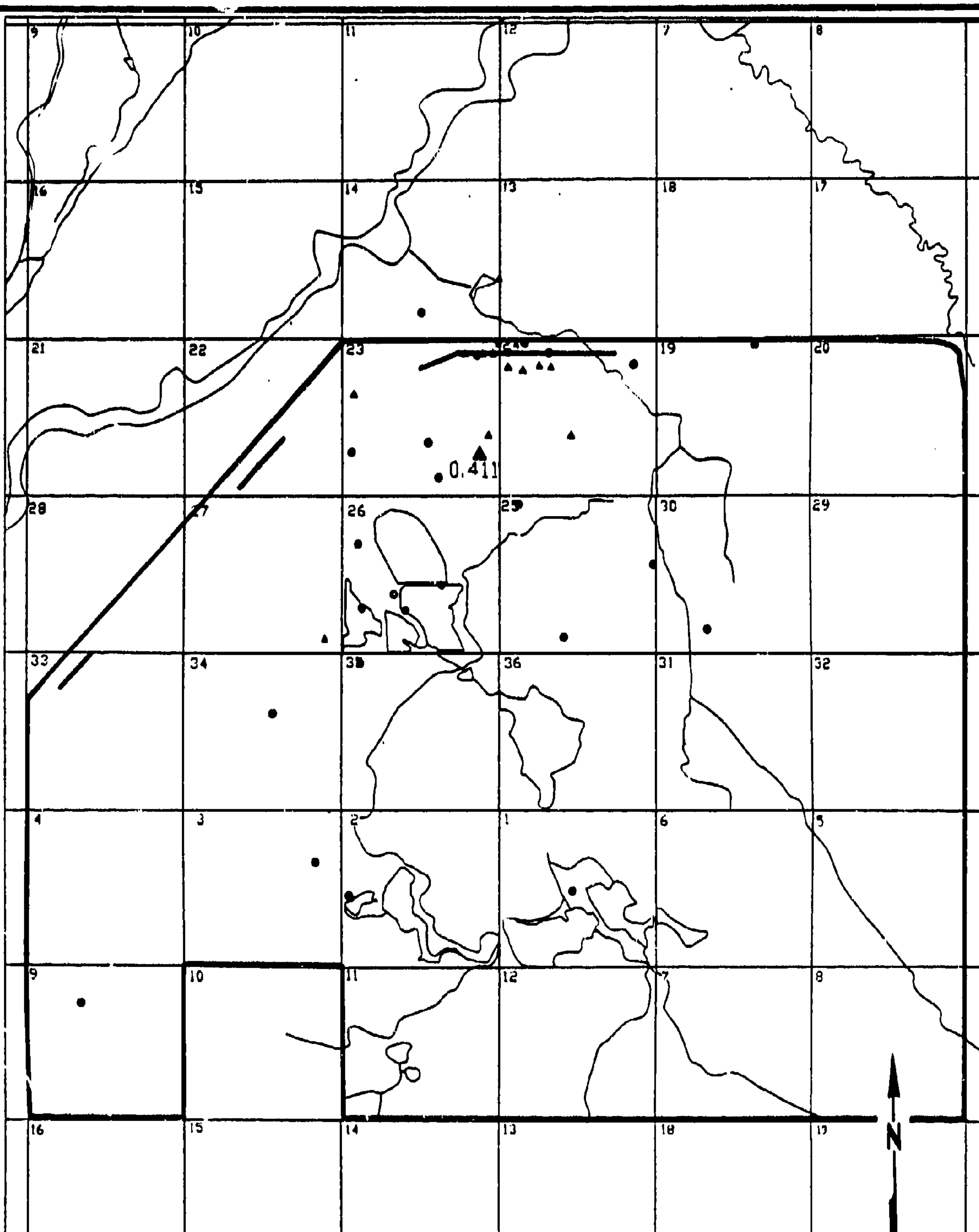
0 5000
Scale in Feet

Figure D-34

ENDRIN DETECTIONS DENVER ZONE 3 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection Units in ug/l

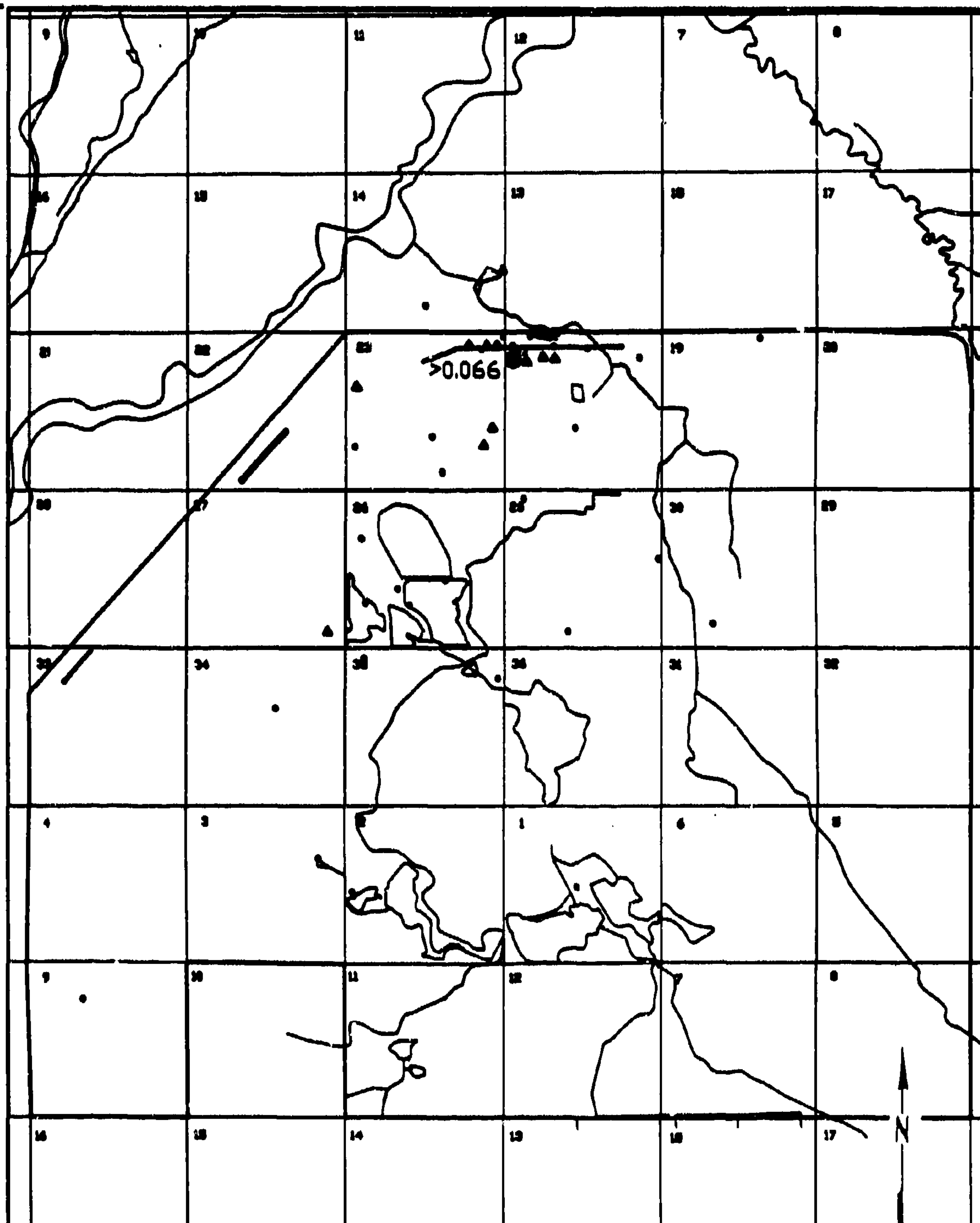
0 5000
Scale in Feet

Figure D-35

ISODRIN DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-36
PP-DDT DETECTIONS DENVER ZONE 2
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

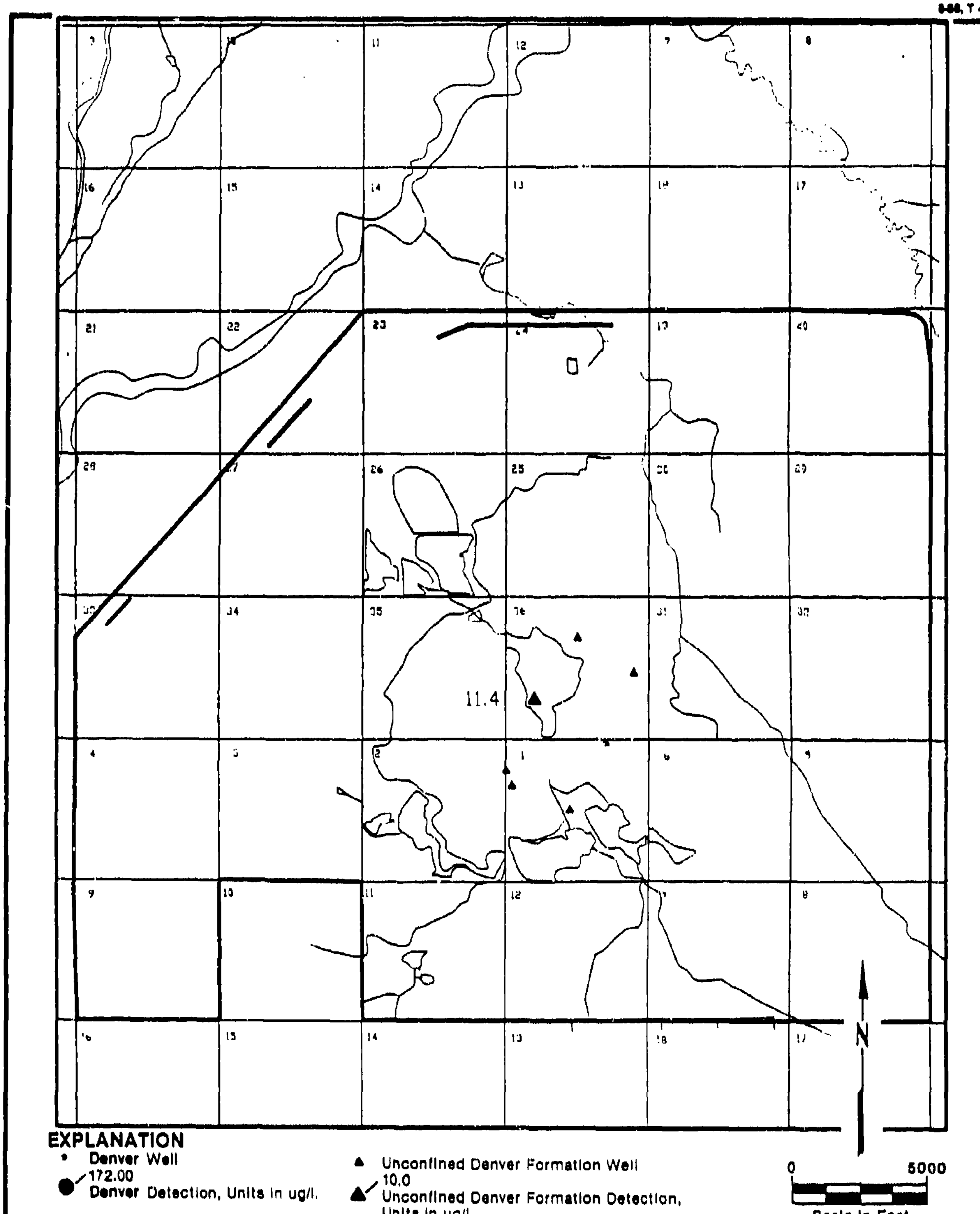
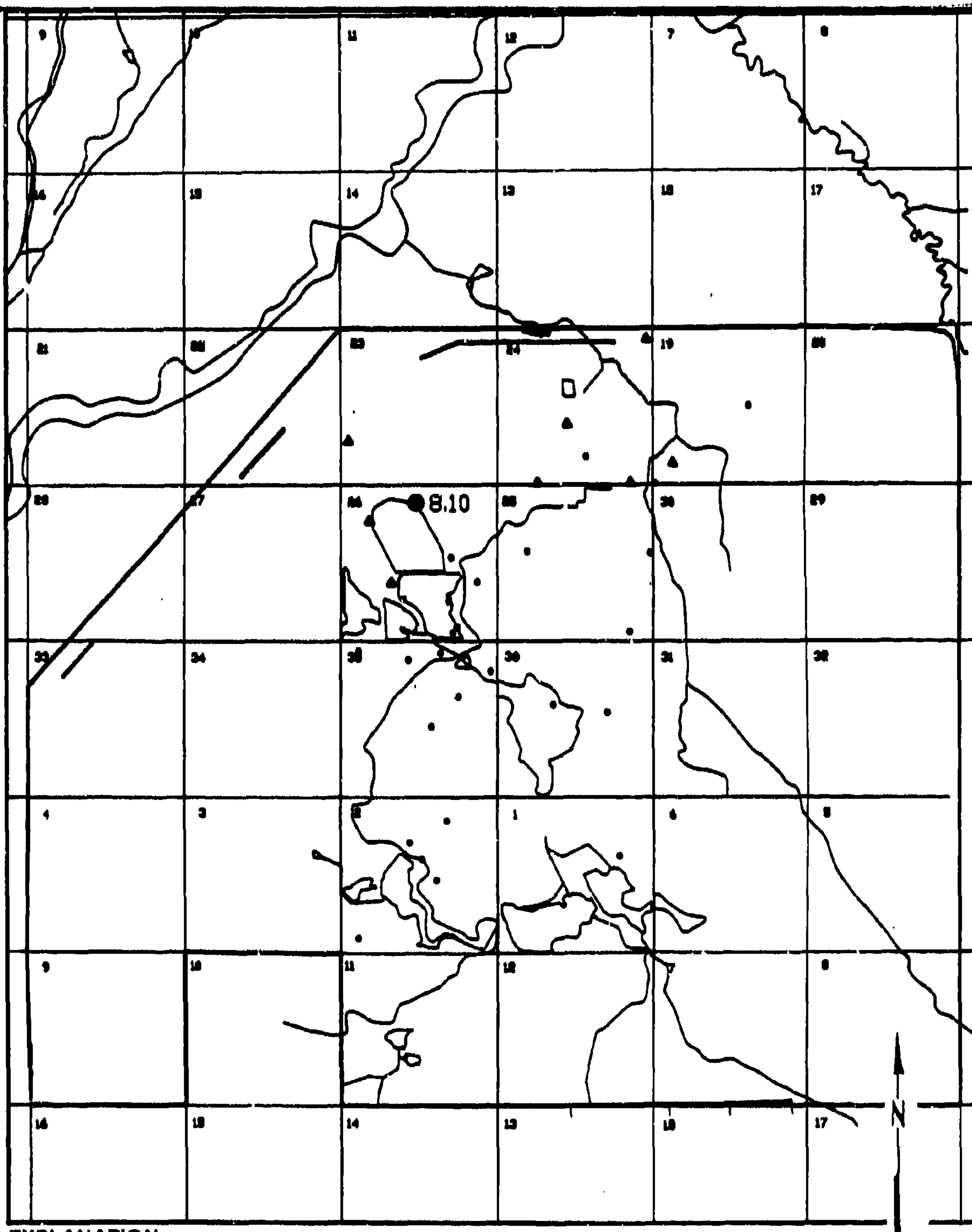


Figure D-37
DMDS DETECTIONS DENVER ZONE VC/VCE
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000 Scale in Feet

Figure D-38
DMDS DETECTIONS DENVER ZONE 1
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

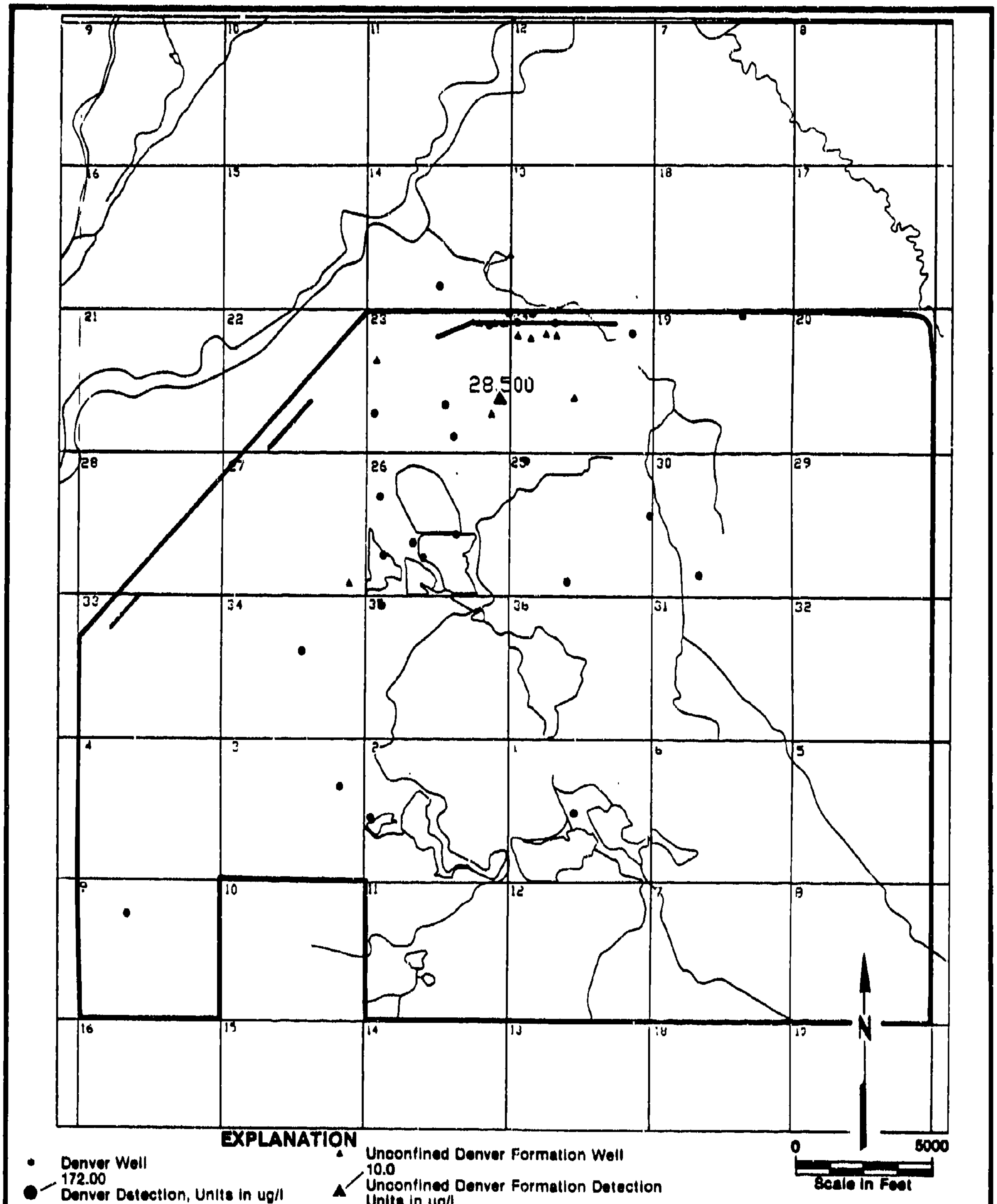


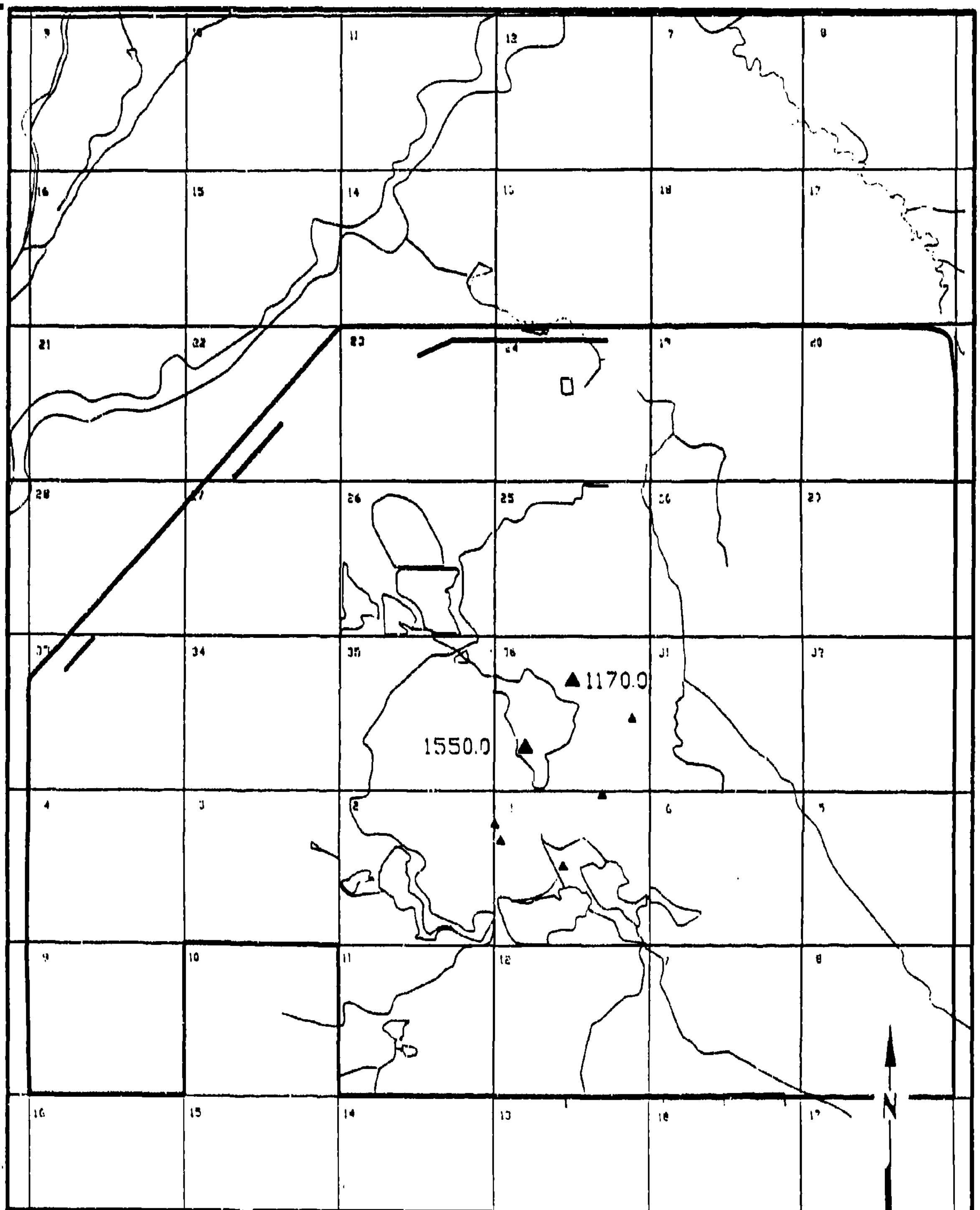
Figure D-39

DMDS DETECTIONS DENVER ZONE 2,
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

8-88, T 44

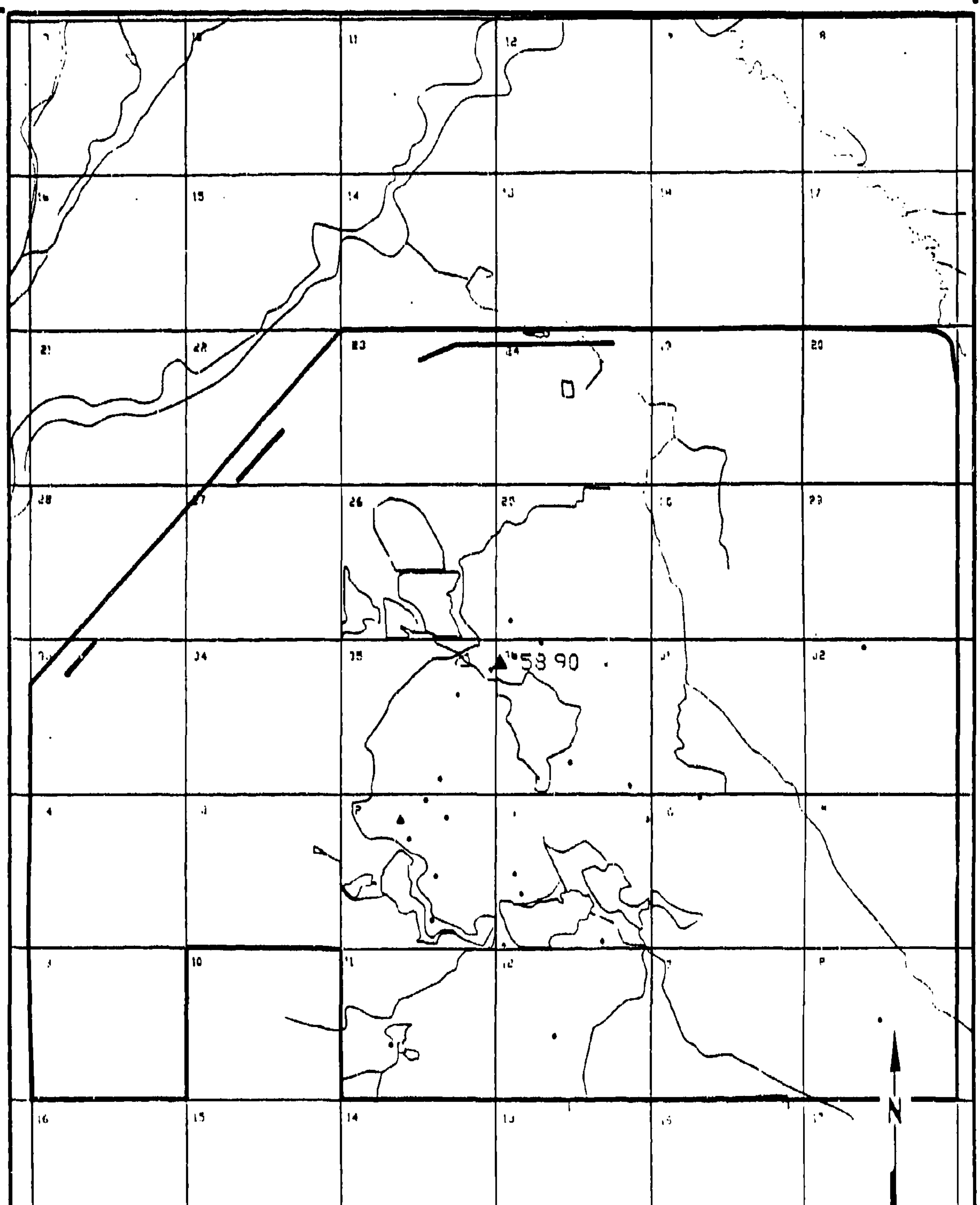


EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-40 OXATHIANE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987 SOURCE: Hunter/ESE, 1988	**Prepared for:** **U.S. Army Program Manager's Office** **For Rocky Mountain Arsenal** **Aberdeen Proving Ground, Maryland**



EXPLANATION

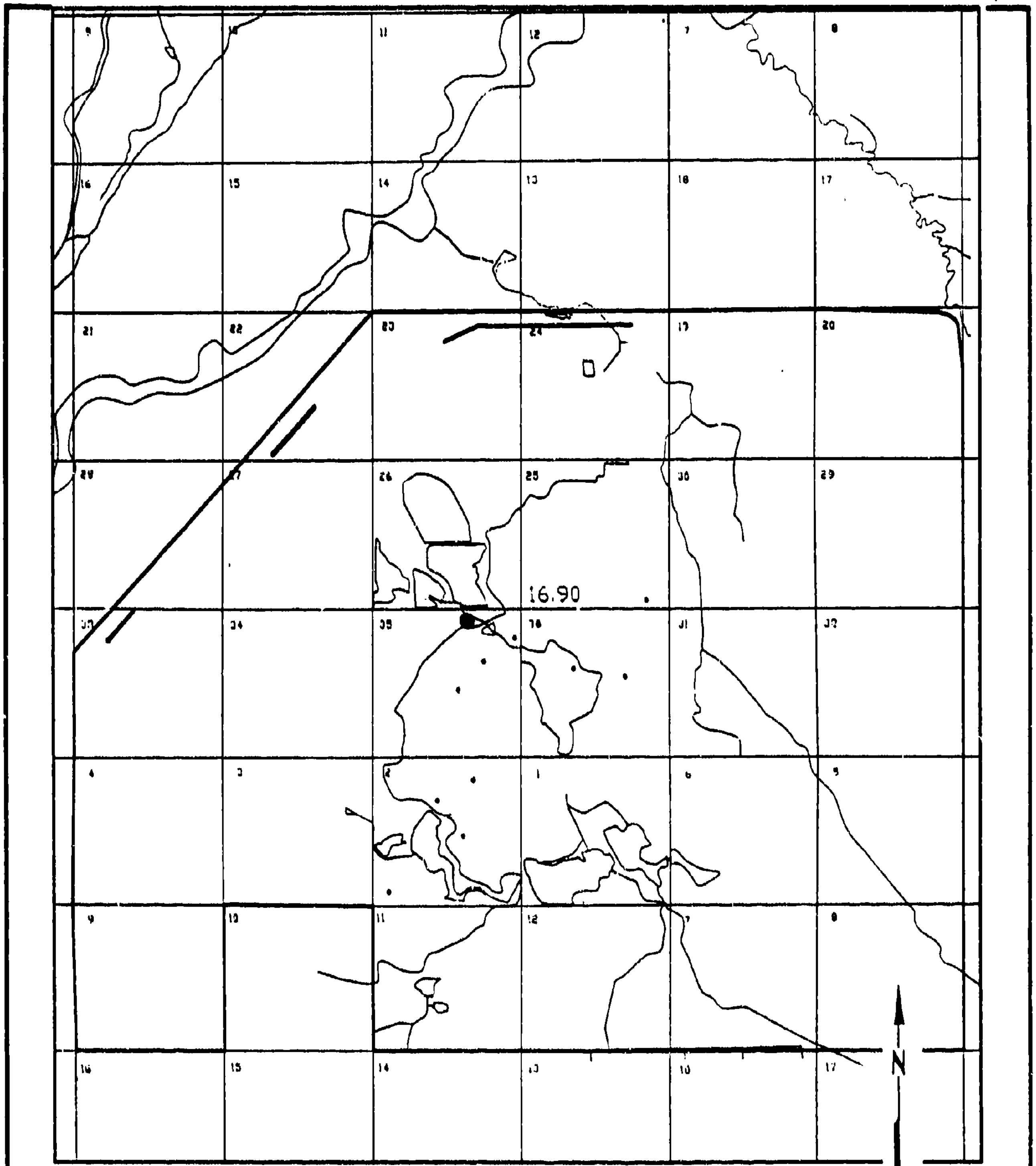
- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-41
OXATHIANE DETECTIONS DENVER ZONE A 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

• Denver Well

172.00 Denver Detection, Units in ug/l.

▲ Unconfined Denver Formation Well

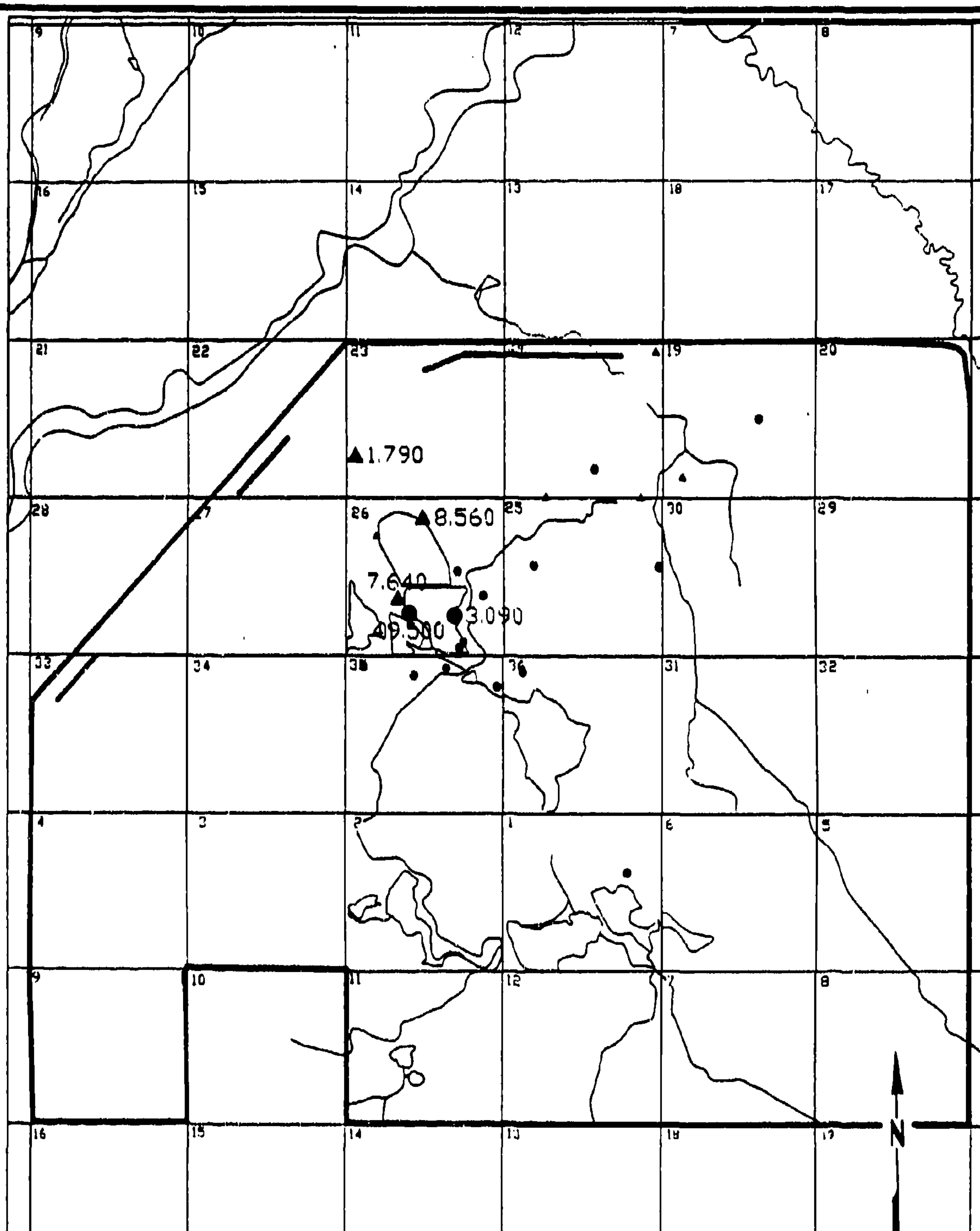
10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000 Scale in Feet

Figure D-42
OXATHIANE DETECTIONS DENVER ZONE 1U
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

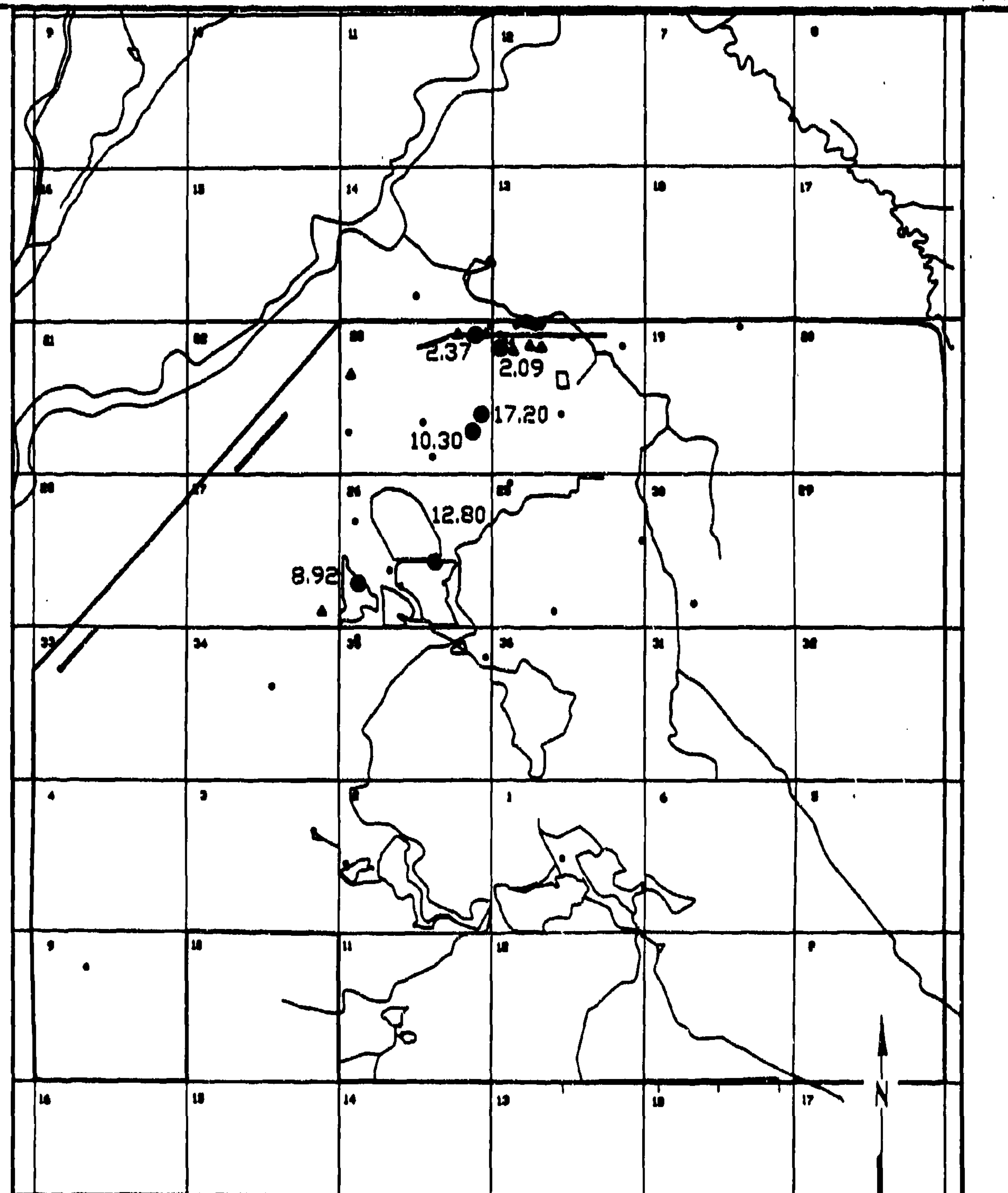
- Denver Well
- 172.00 Denver Detection, Units in ug/l
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection Units in ug/l

Figure D-43

OXATHIANE DETECTIONS DENVER ZONE 1 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

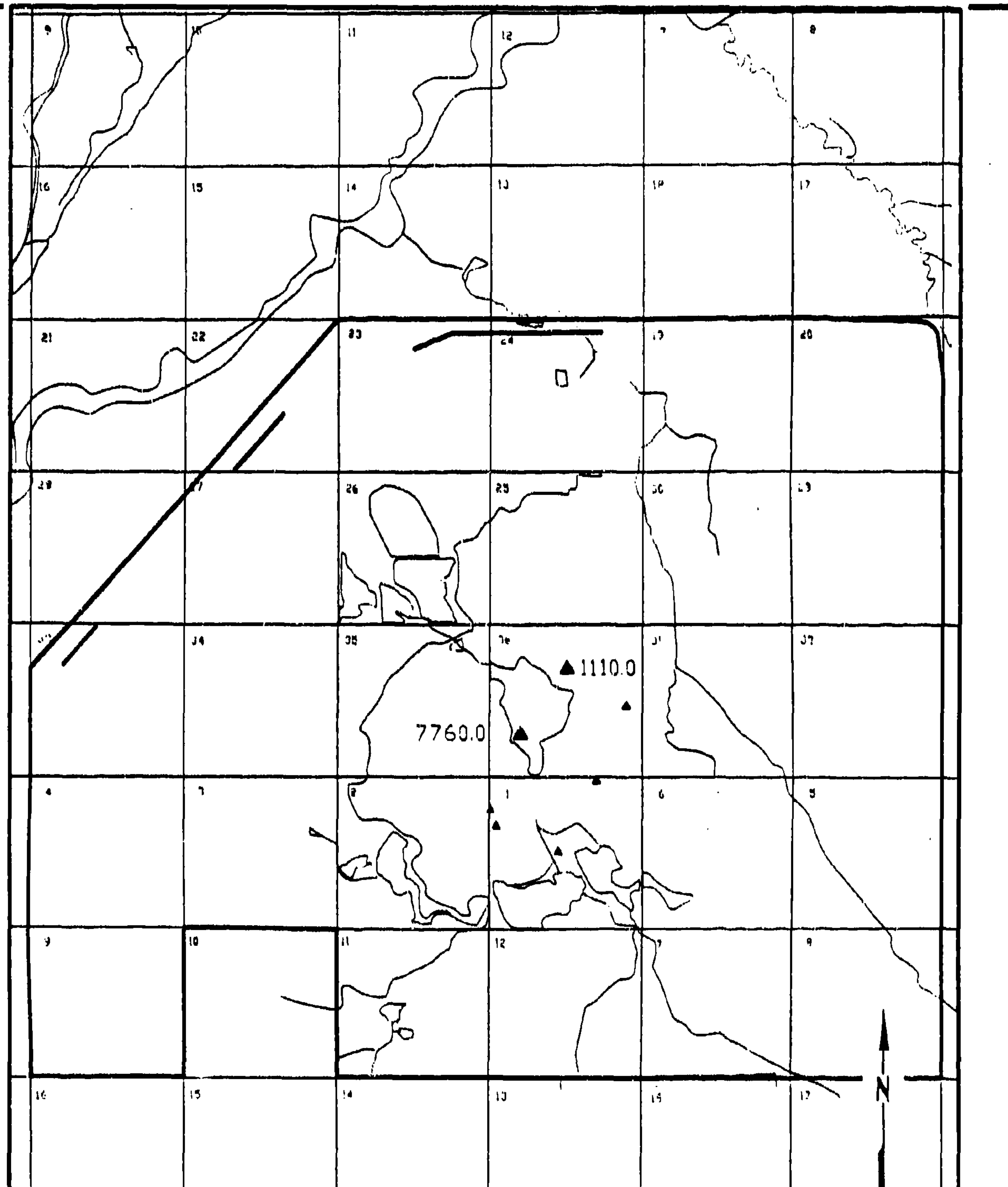
- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-44
OXATHIANE DETECTIONS DENVER ZONE 2 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

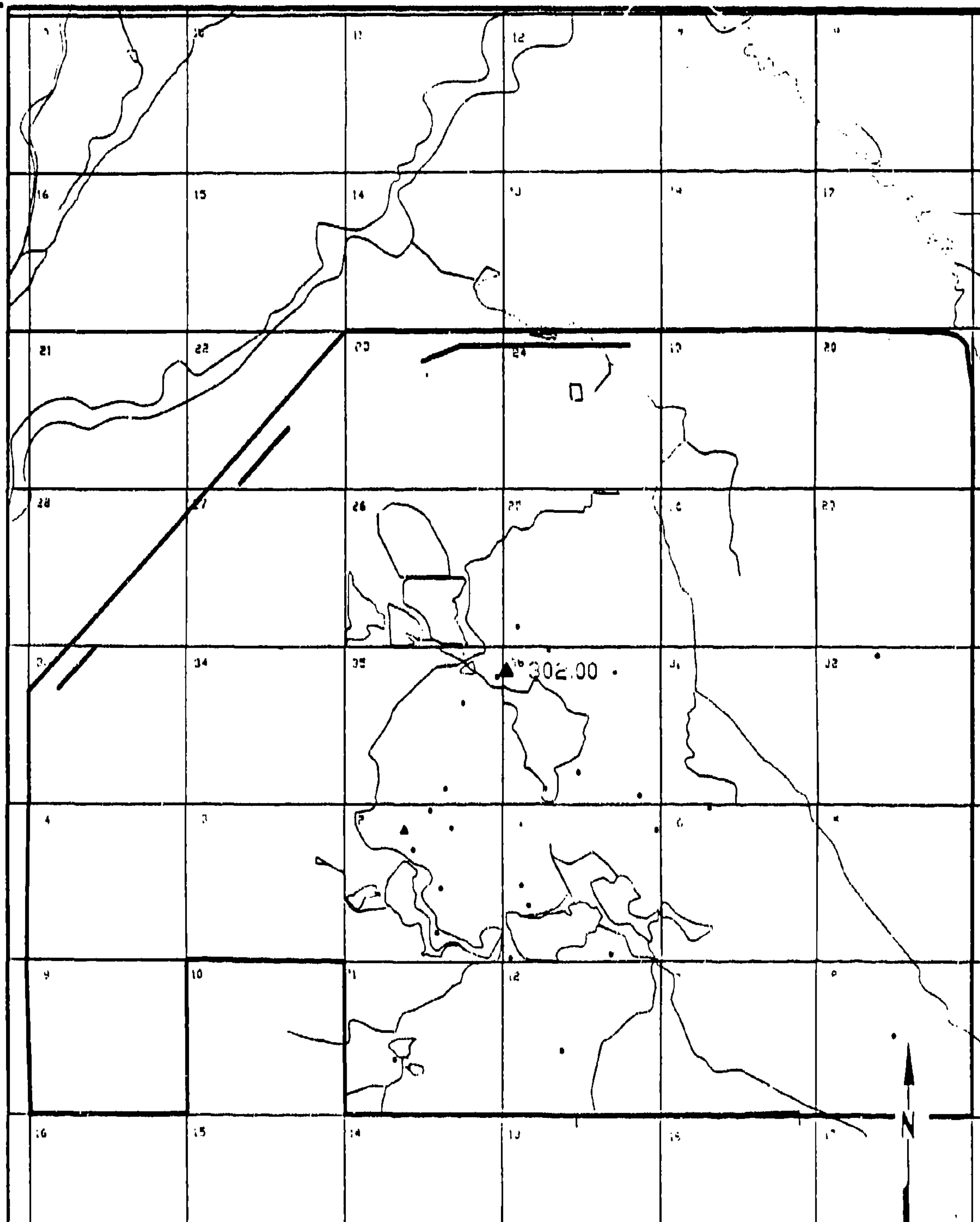
- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-45
DITHIANE DETECTIONS DENVER ZONE
VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

N

Figure D-46

DITHIANE DETECTIONS DENVER ZONE A 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

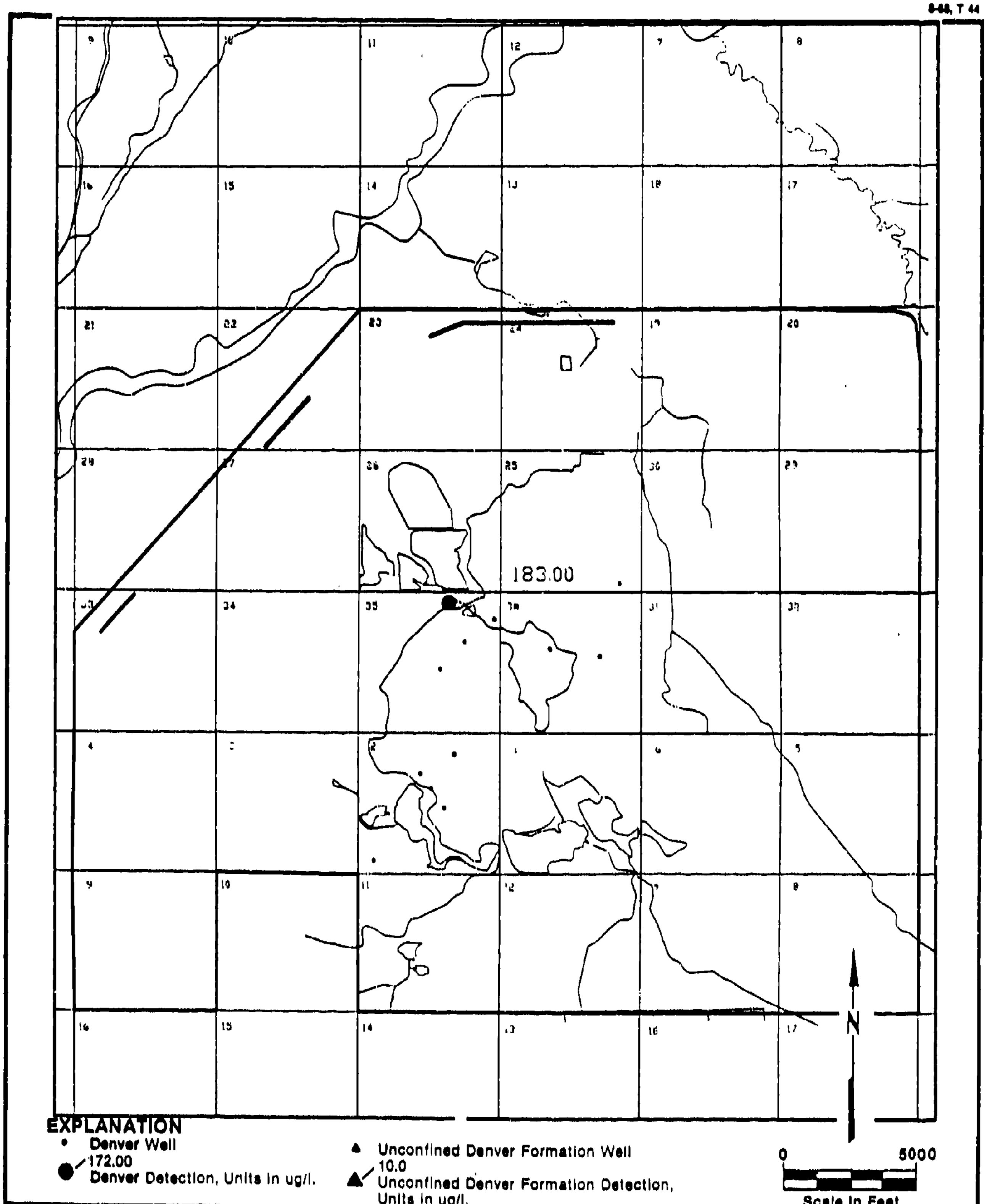


Figure D-47
DITHIANE DETECTIONS DENVER ZONE 1U 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

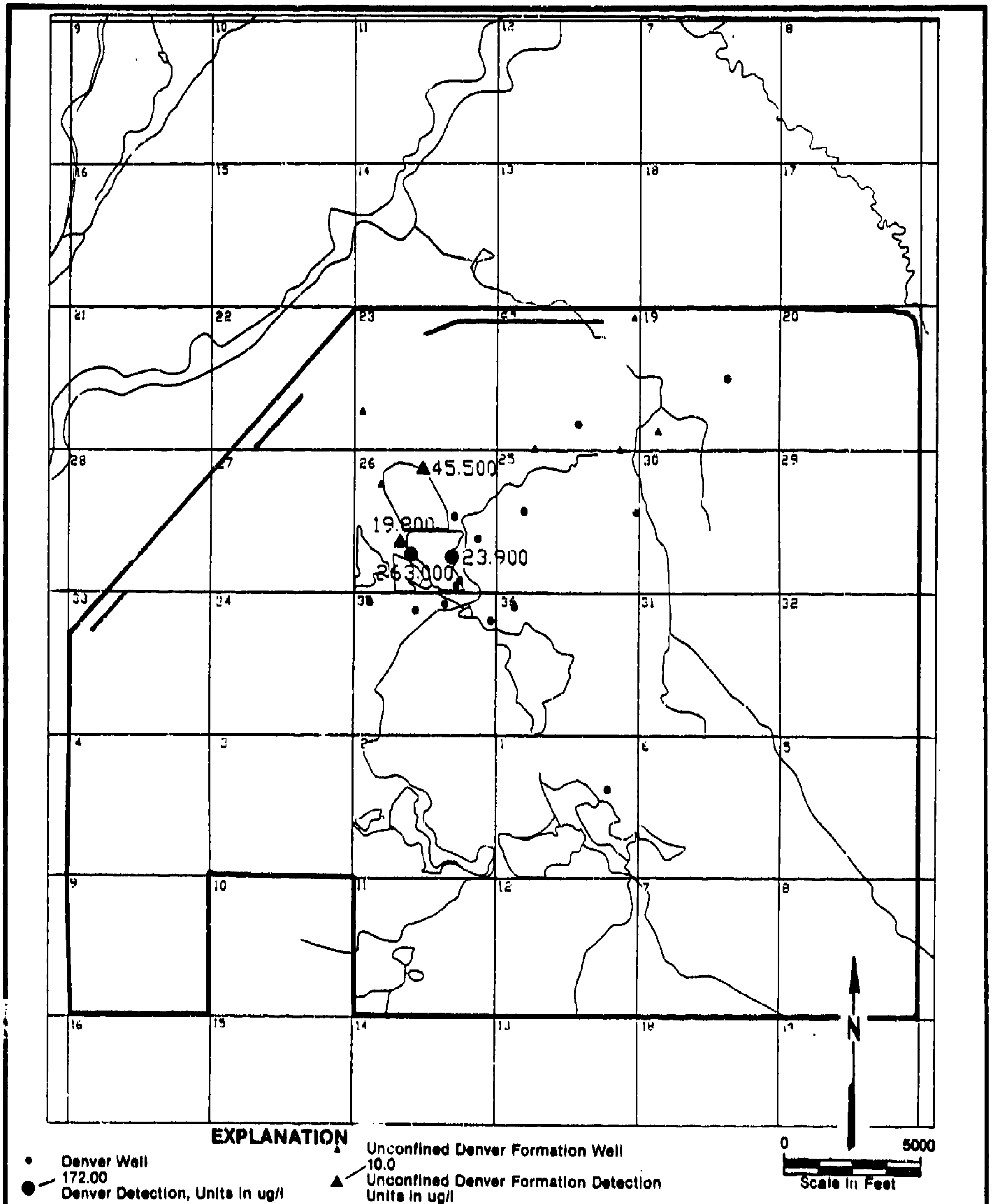


Figure D-48

DITHIANE DETECTIONS DENVER ZONE 1,
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

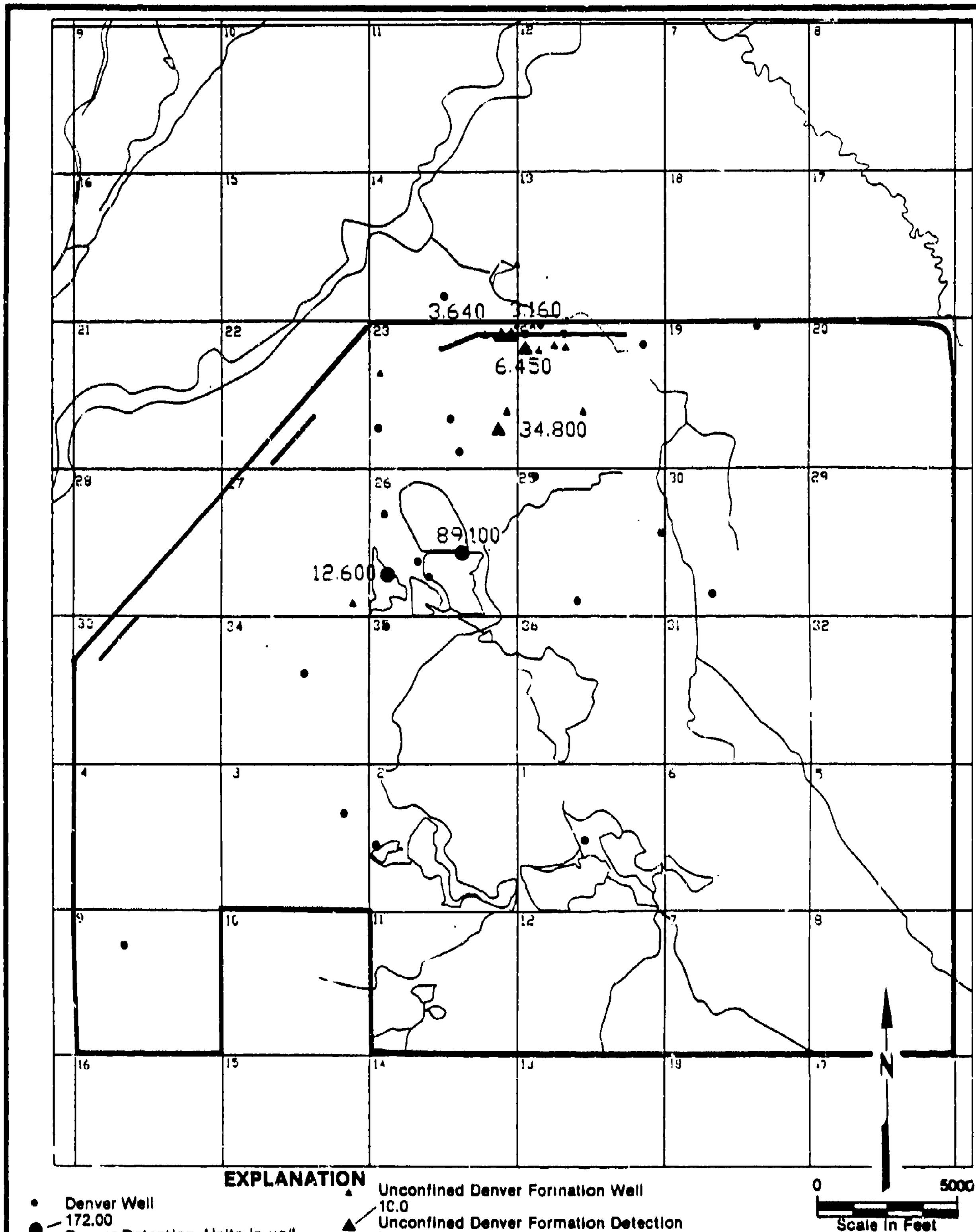
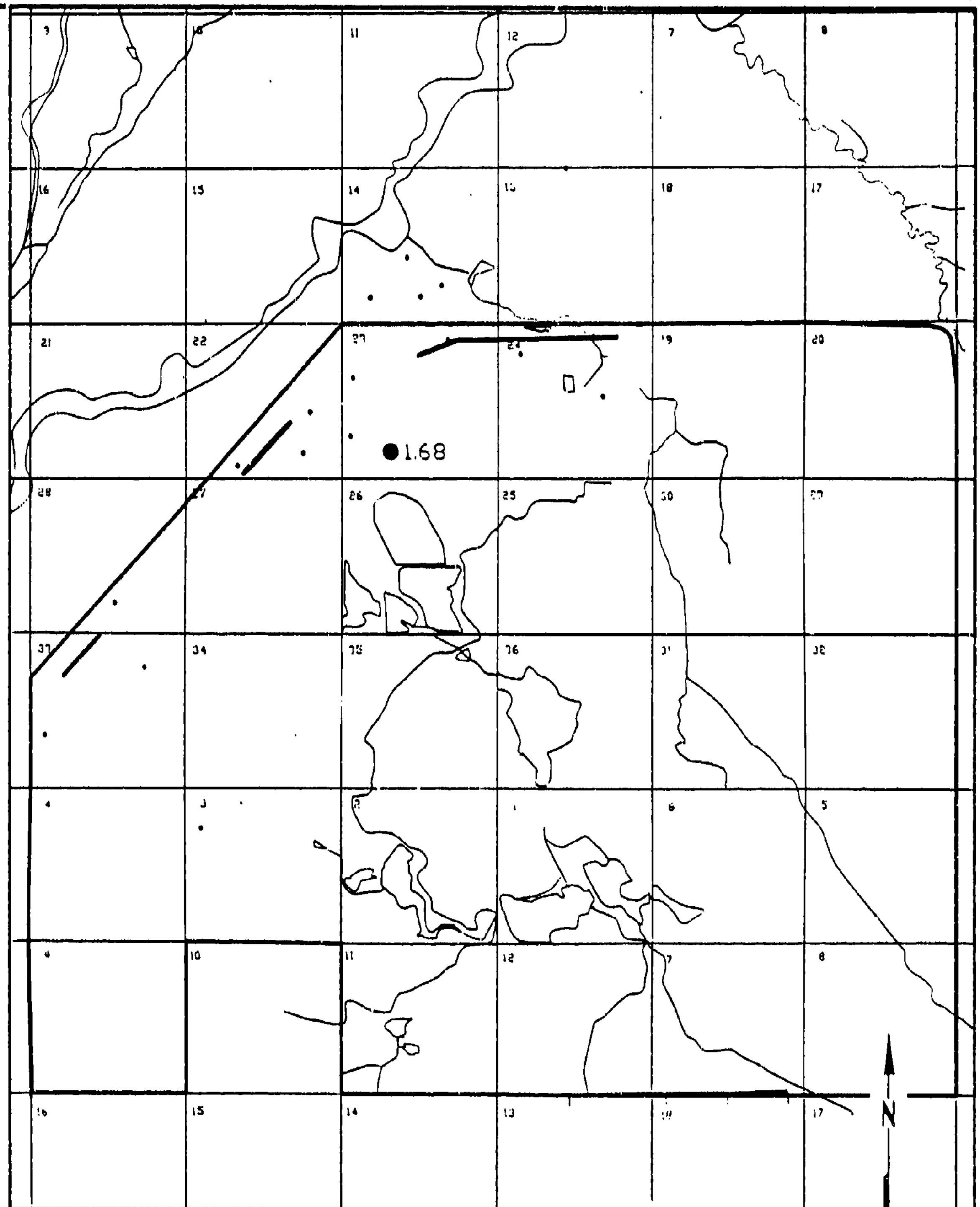


Figure D-49

DITHIANE DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-50
DITHIANE DETECTIONS DENVER ZONE 4
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

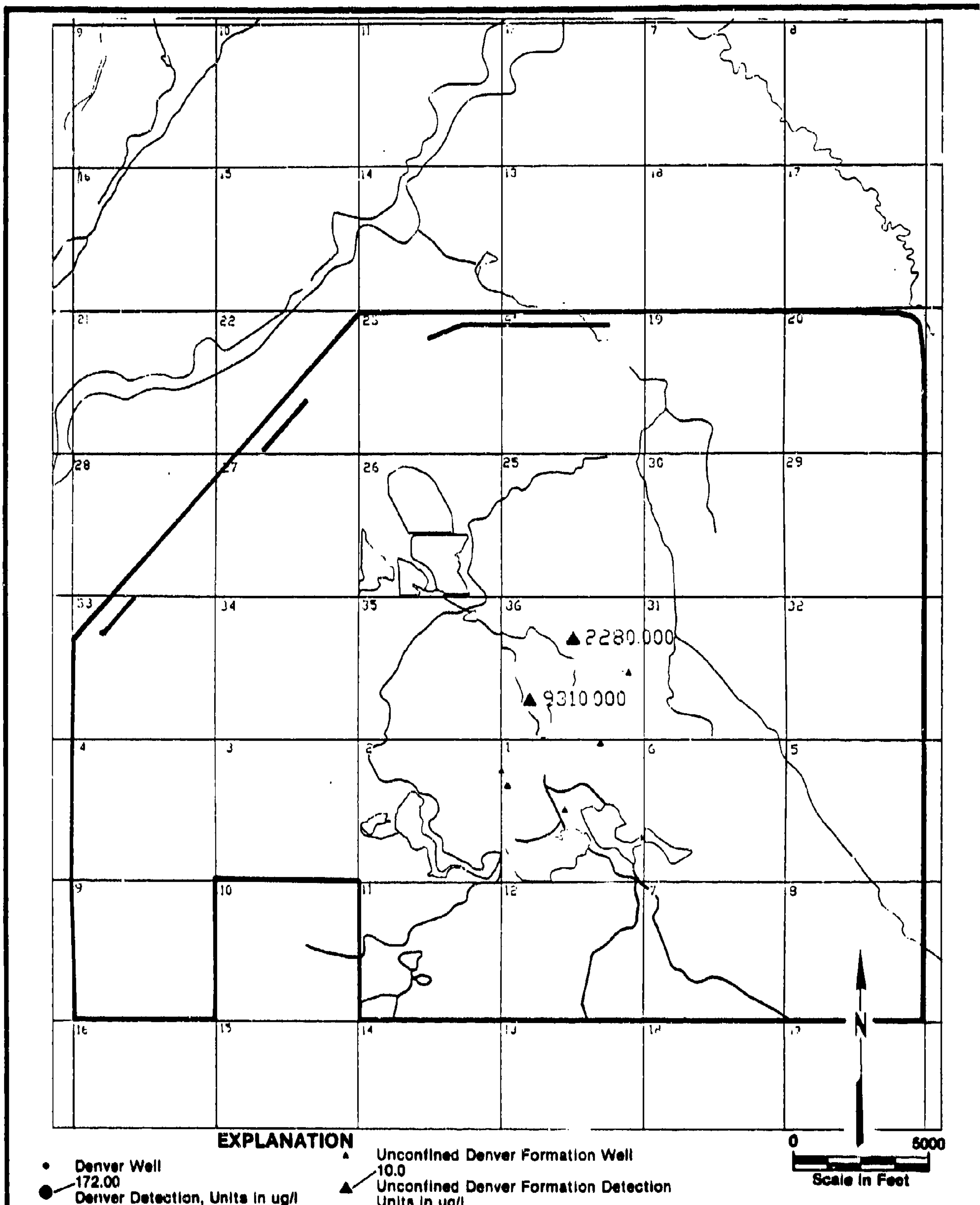


Figure D-51

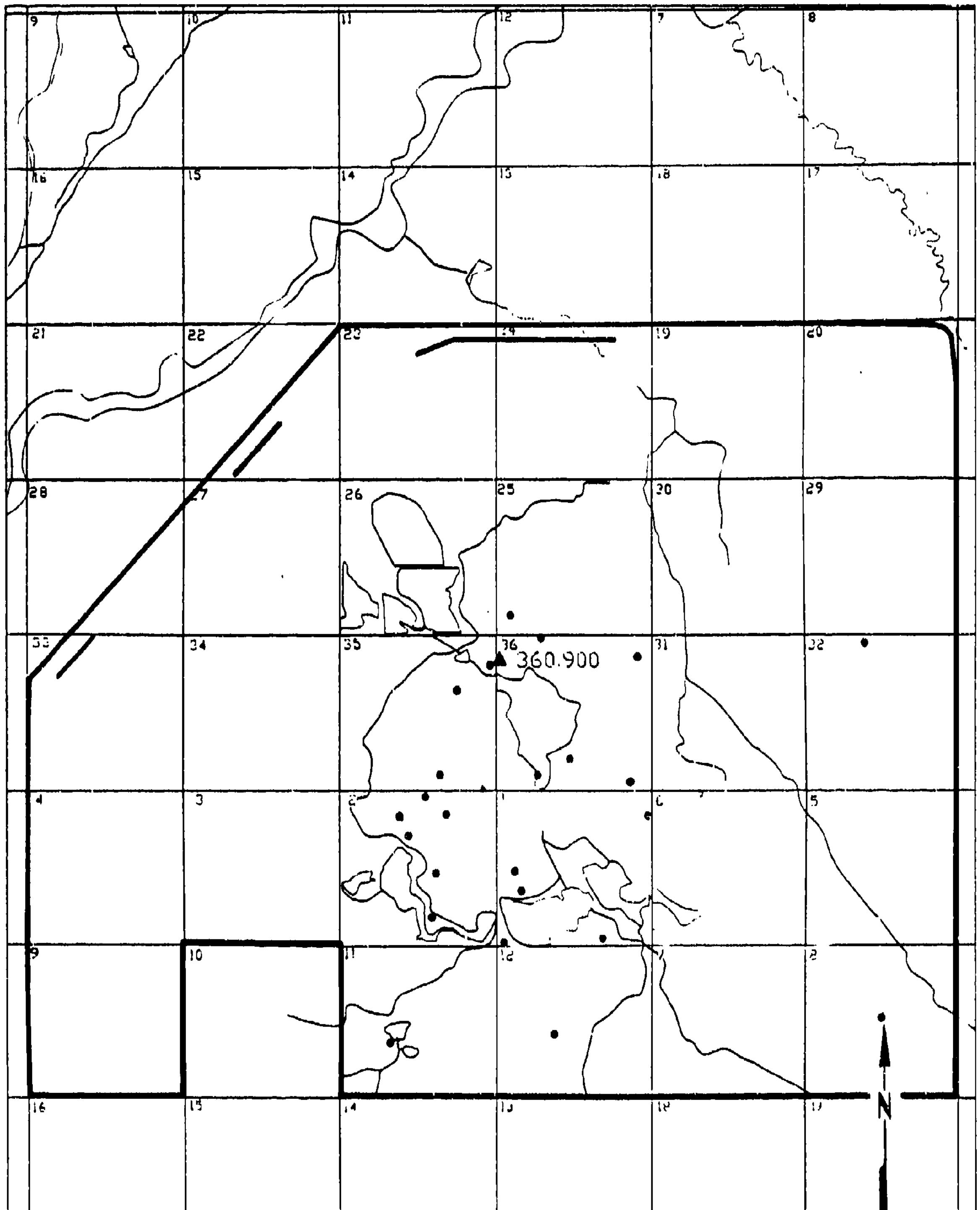
OXATHIANE/DITHIANE DETECTIONS DENVER ZONE VC/VCE, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection Units in ug/l

Figure D-52

OXATHIANE/DITHIANE DETECTIONS DENVER ZONE A, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

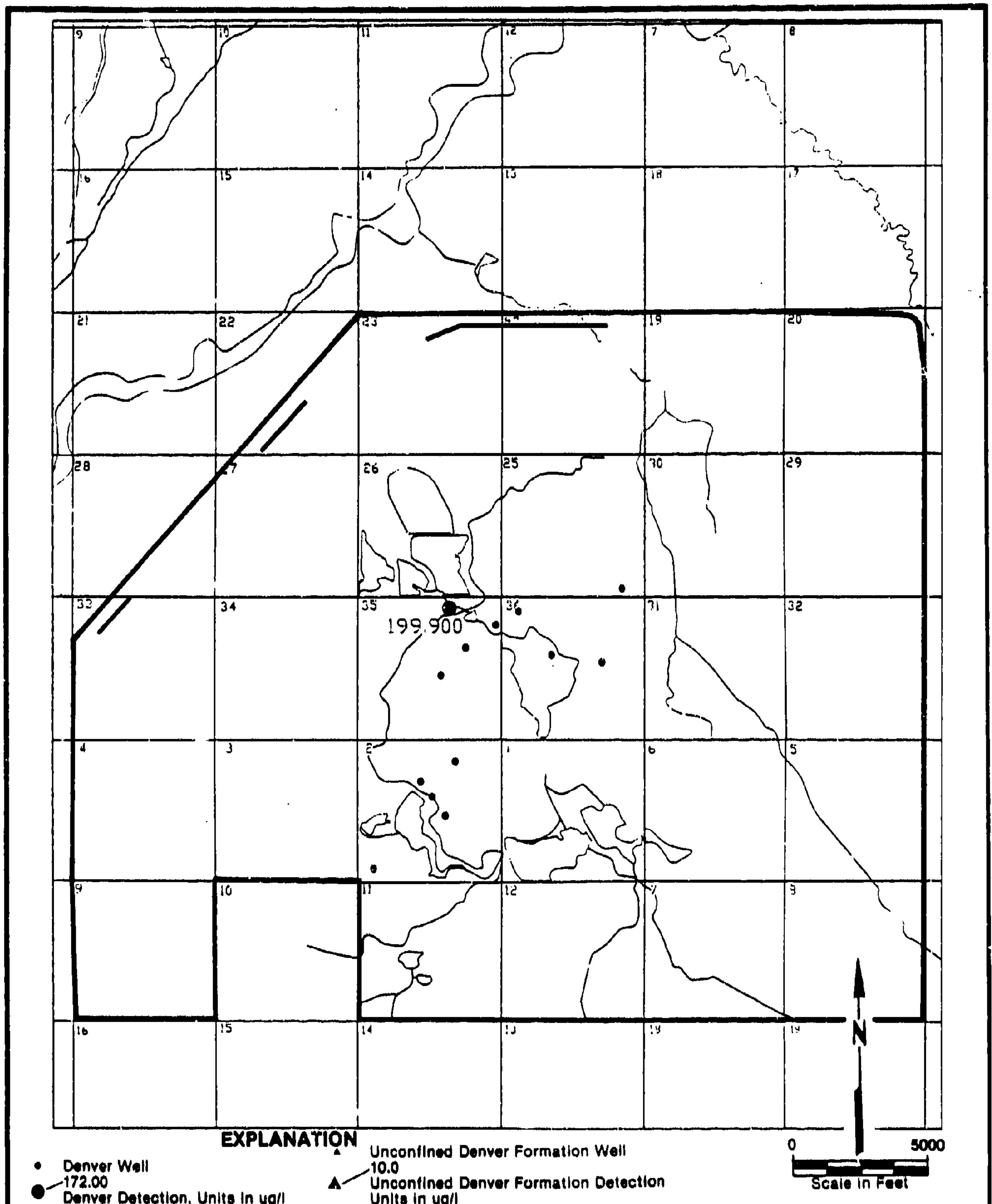


Figure D-53

OXATHIANE/DITHIANE DETECTIONS DENVER ZONE 1U, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

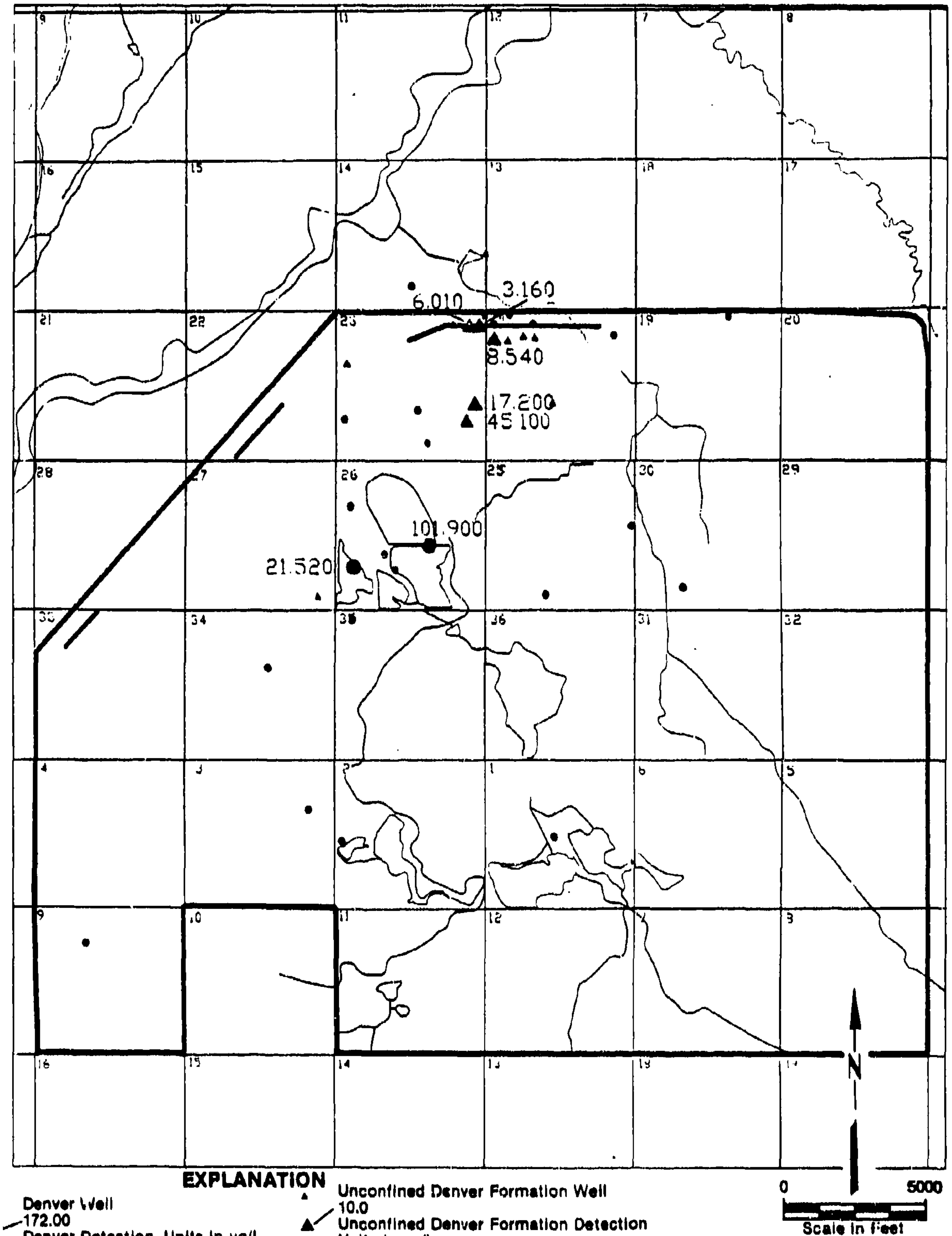
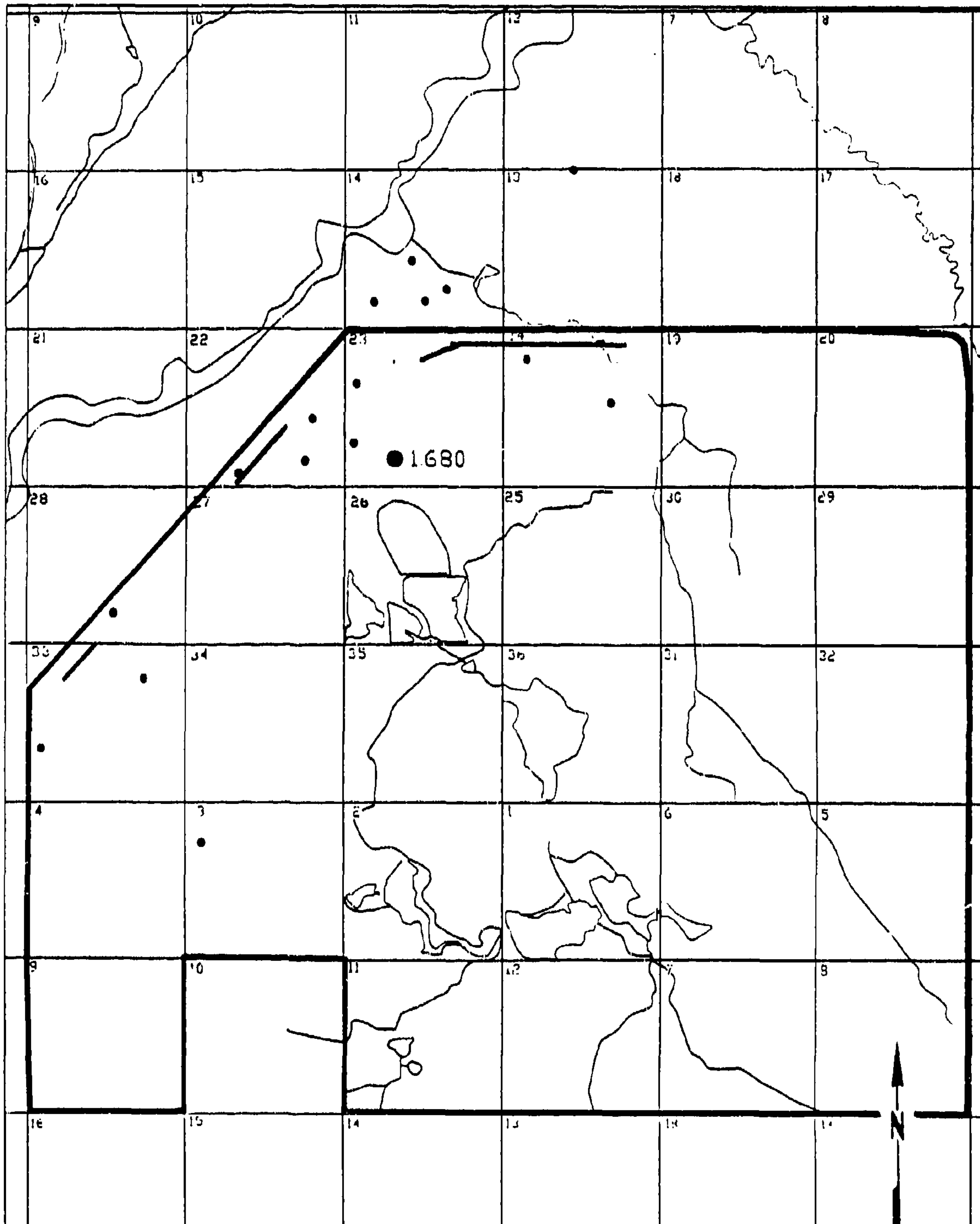


Figure D-54

OXATHIANE/DITHIANE DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection Units in ug/l

0 5000 Scale in Feet

Figure D-55

OXATHIANE/DITHIANE DETECTIONS DENVER ZONE 4, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

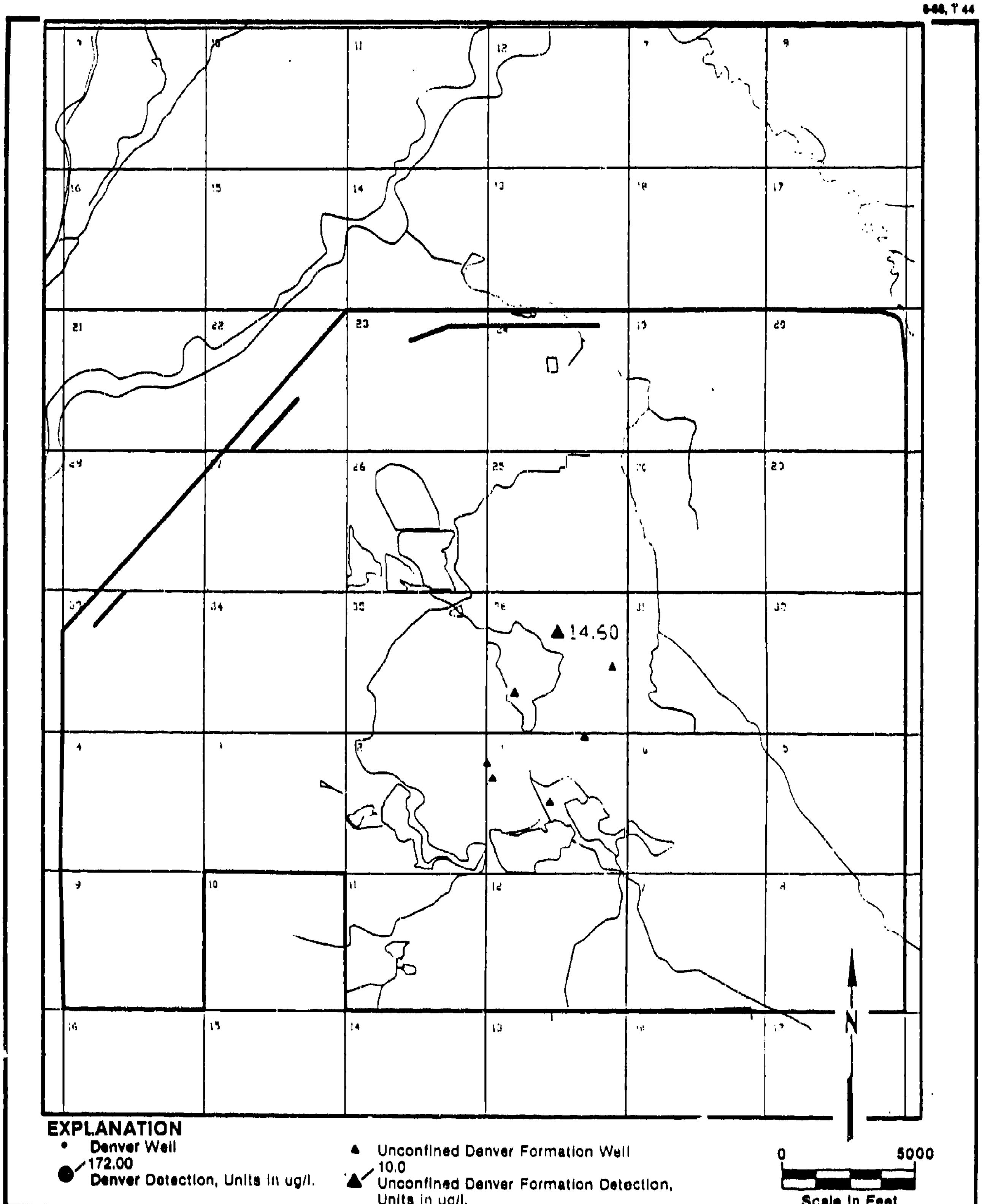
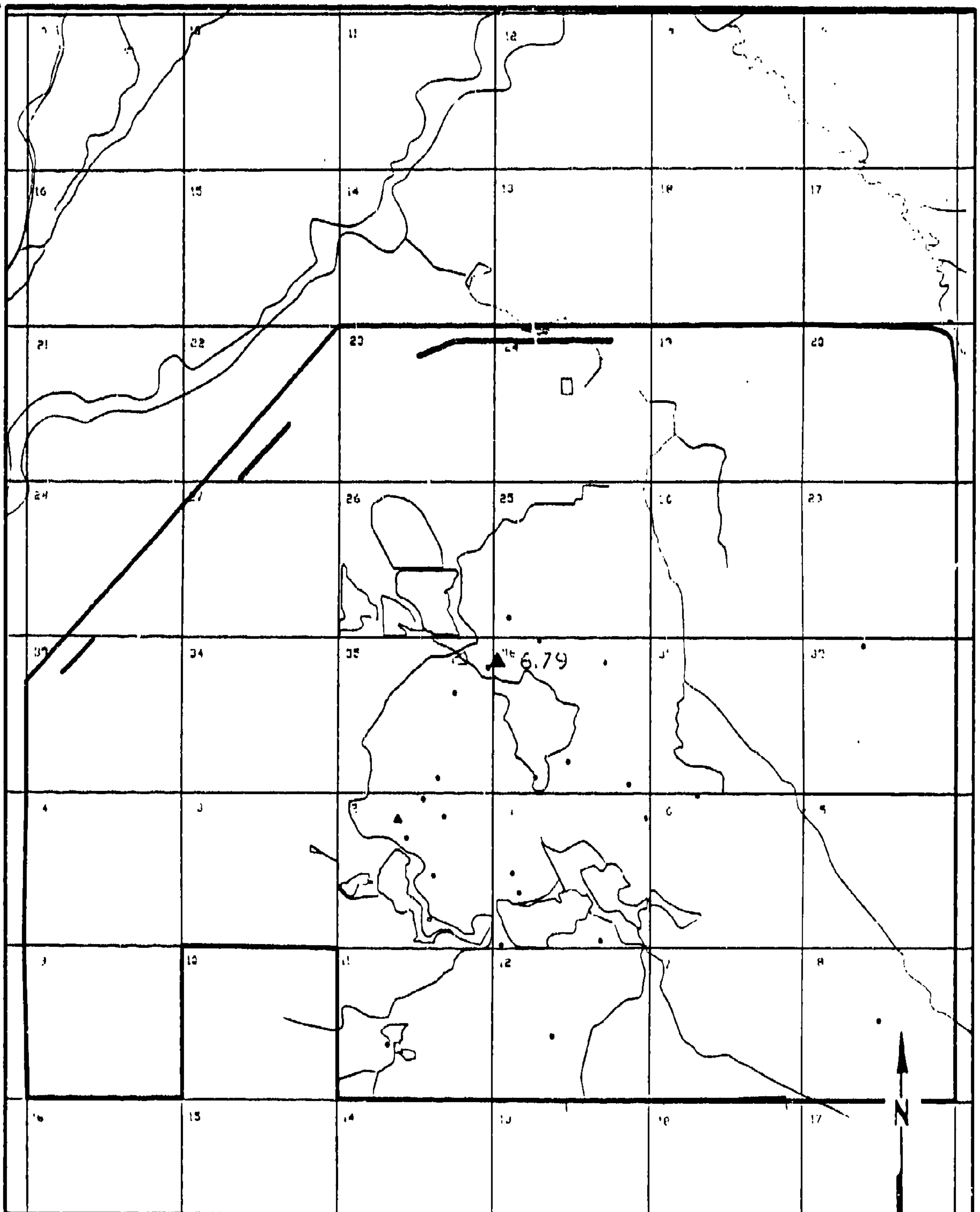


Figure D-56
BENZOTHIAZOLE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

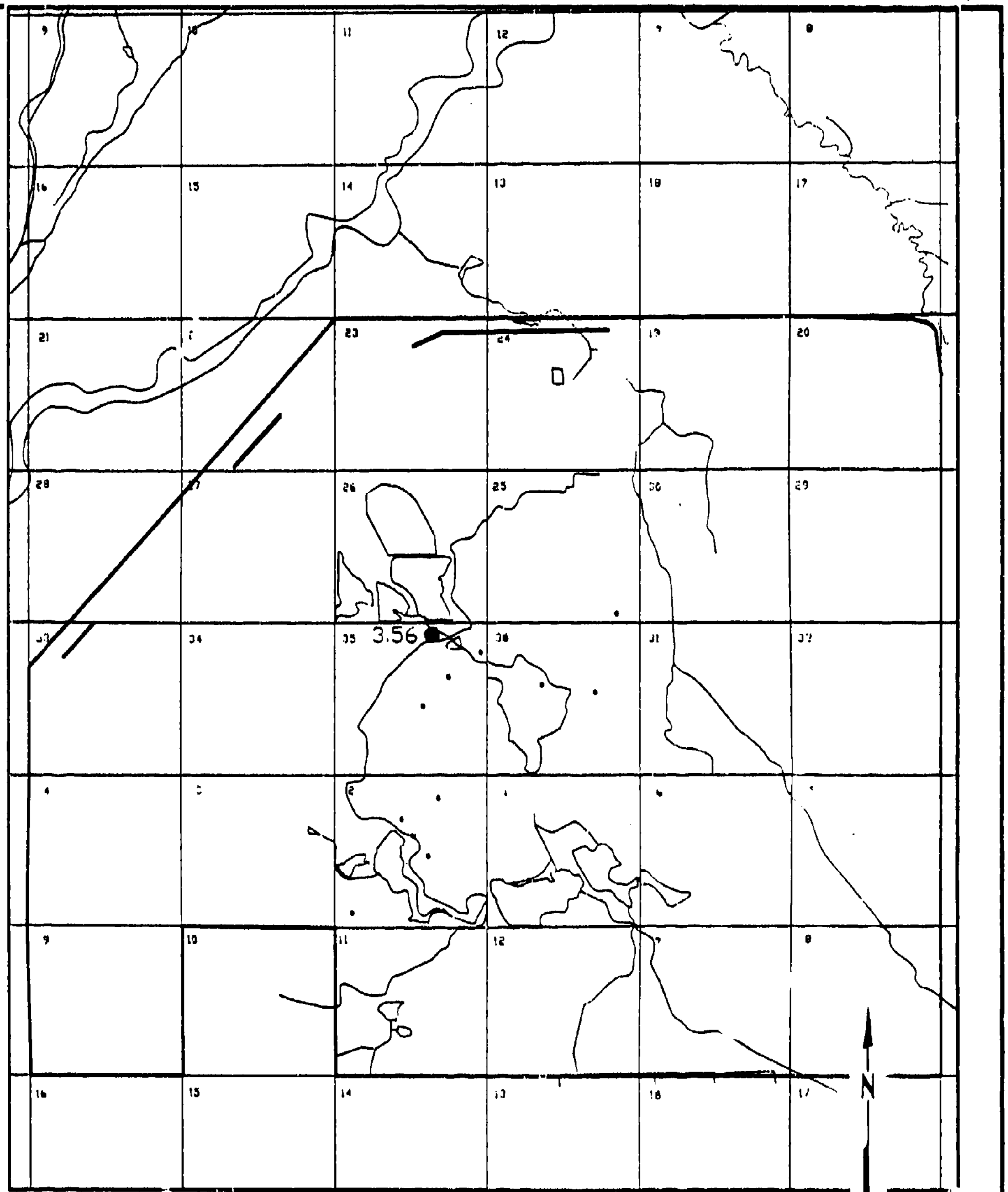
0 5000
Scale in Feet

N

Figure D-57
BENZOTHIAZOLE DETECTIONS DENVER ZONE A 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



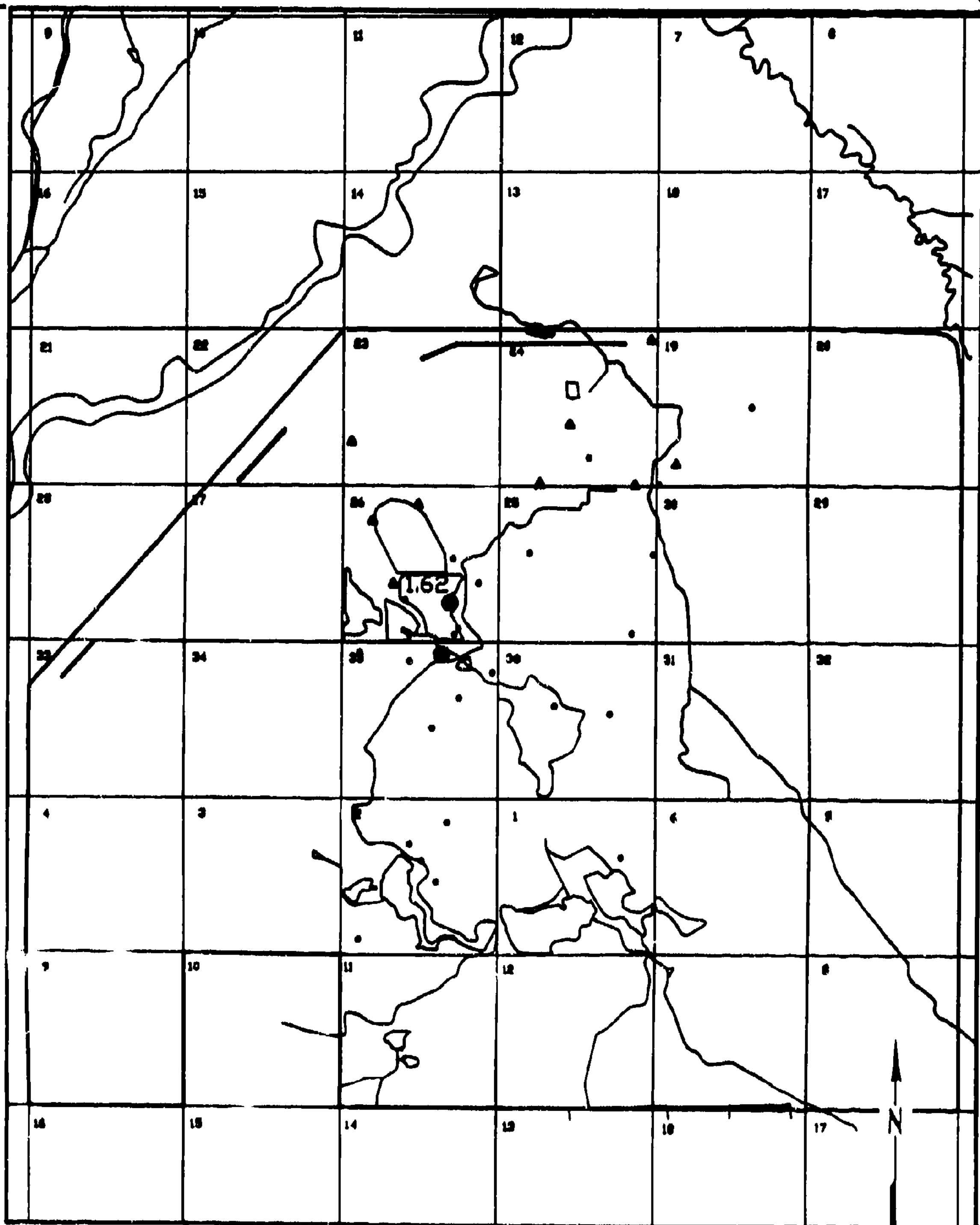
EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-58
BENZOTHIAZOLE DETECTIONS DENVER ZONE 1U 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-59

BENZOTHIAZOLE DETECTIONS DENVER ZONE 1 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

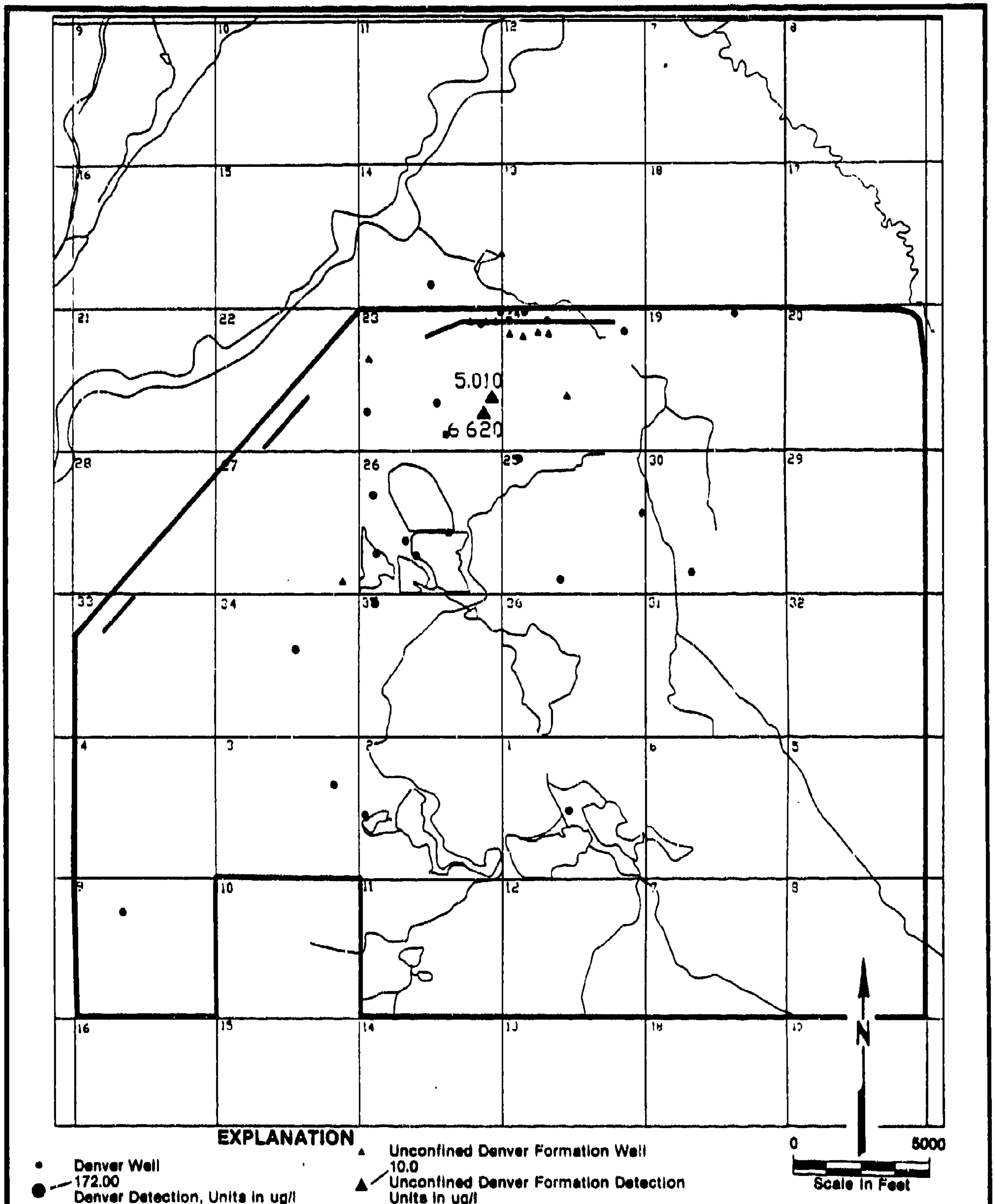


Figure D-60

BENZOTHIAZOLE DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

8-58, T 44

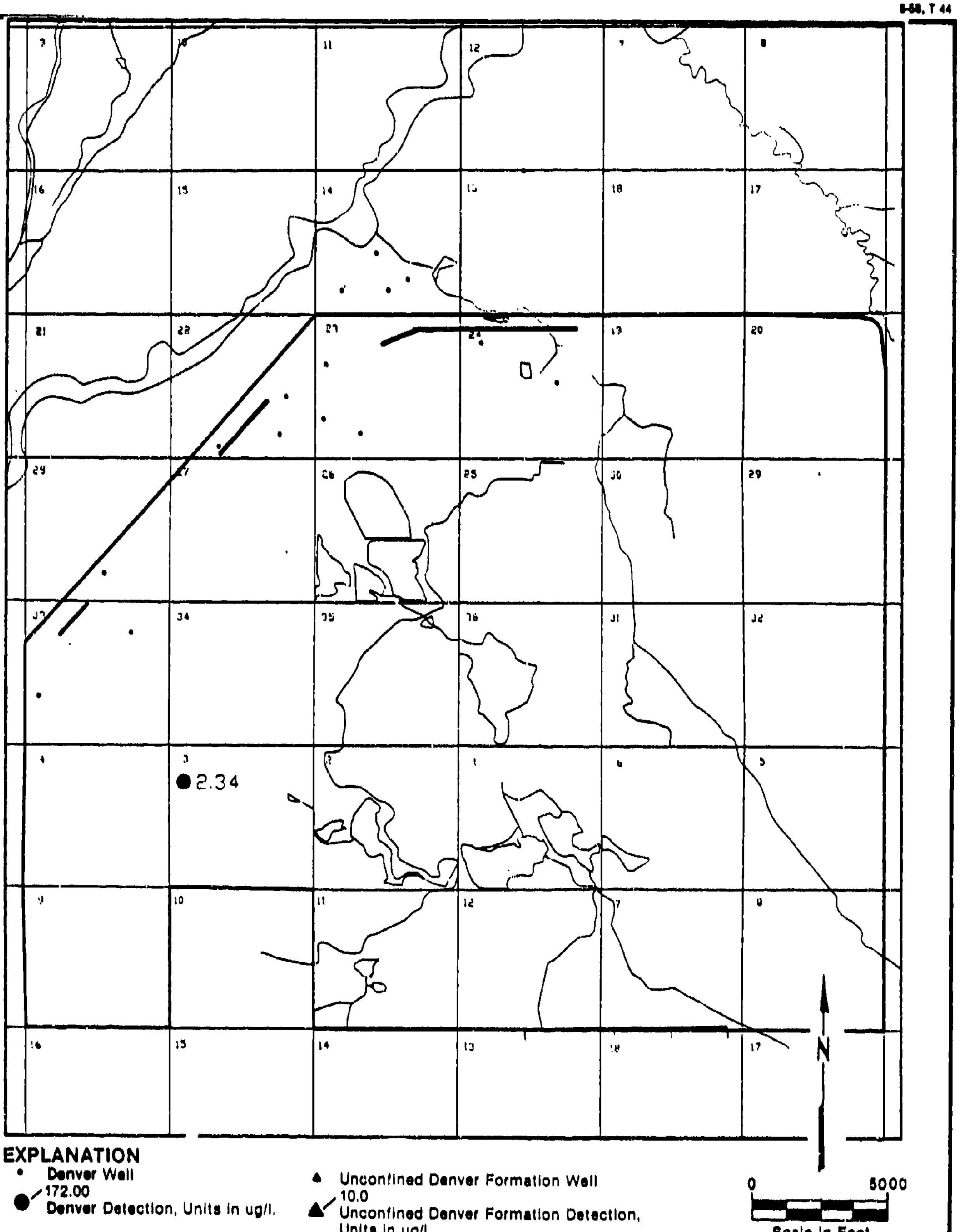
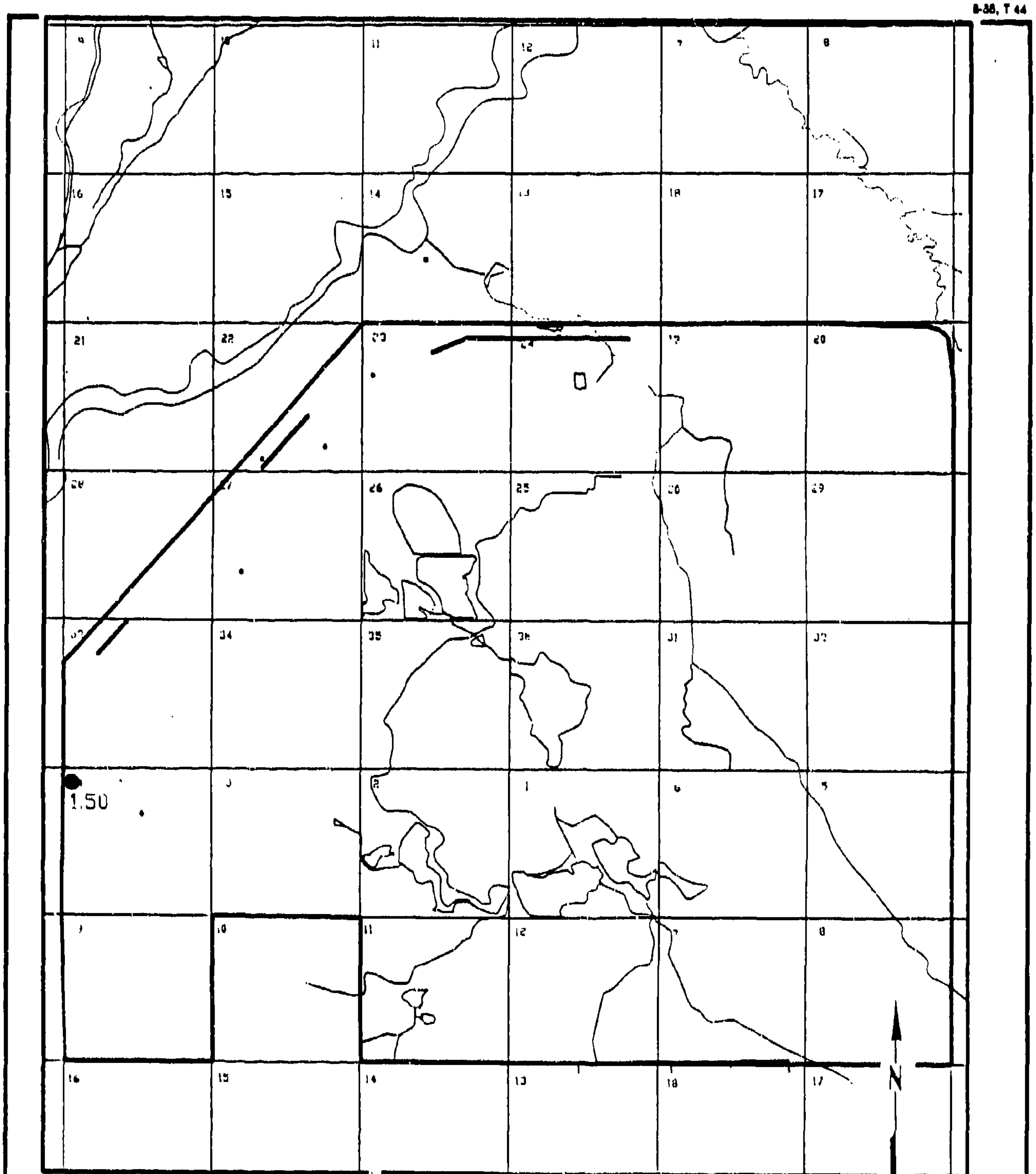


Figure D-61
BENZOTHIAZOLE DETECTIONS DENVER ZONE 4 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

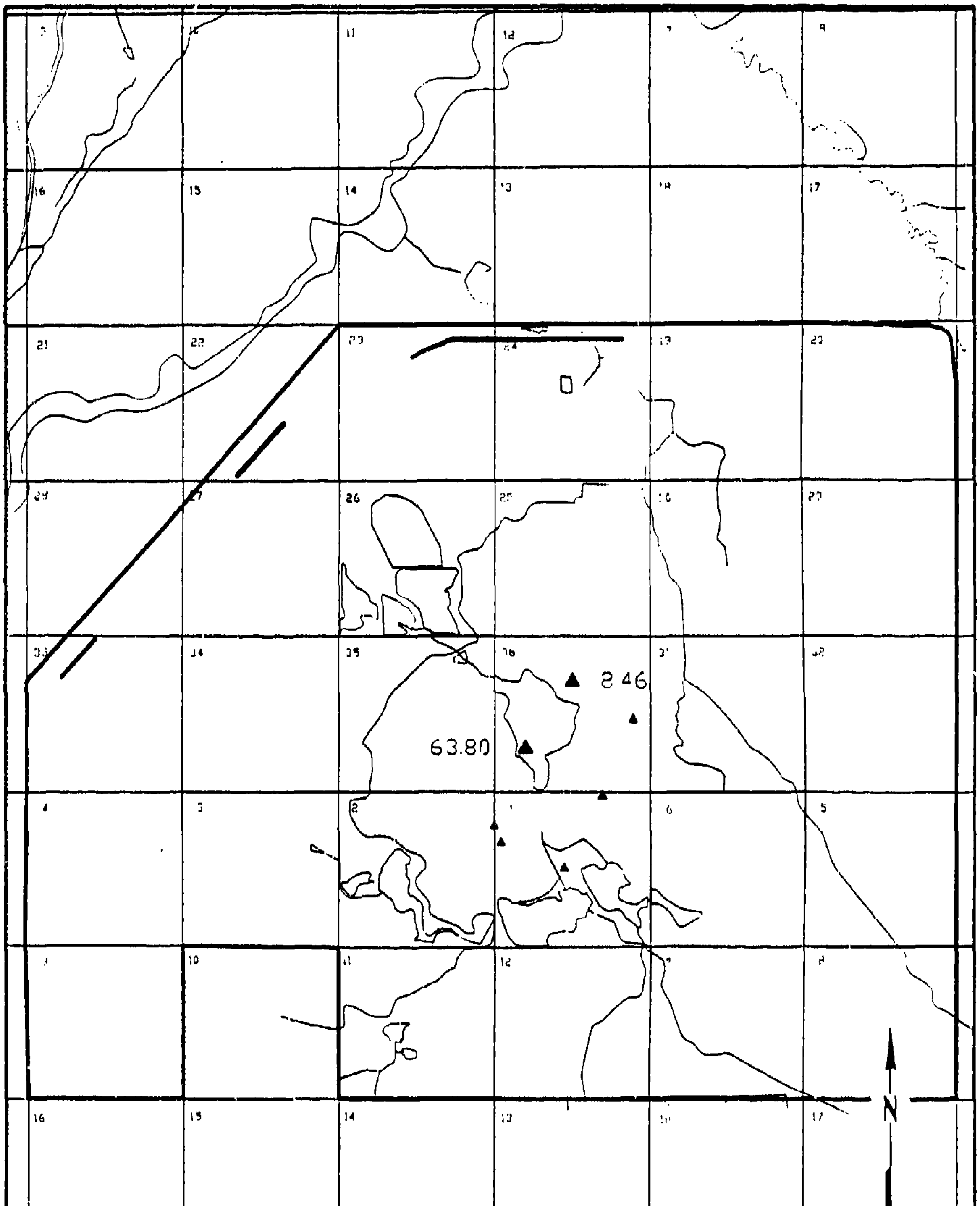


EXPLANATION
• Denver Well
172.00 Denver Detection, Units in ug/l.
▲ Unconfined Denver Formation Well
10.0 Unconfined Denver Formation Detection, Units in ug/l.
0 5000 Scale in Feet

Figure D-62
BENZOTHIAZOLE DETECTIONS DENVER ZONE 5 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



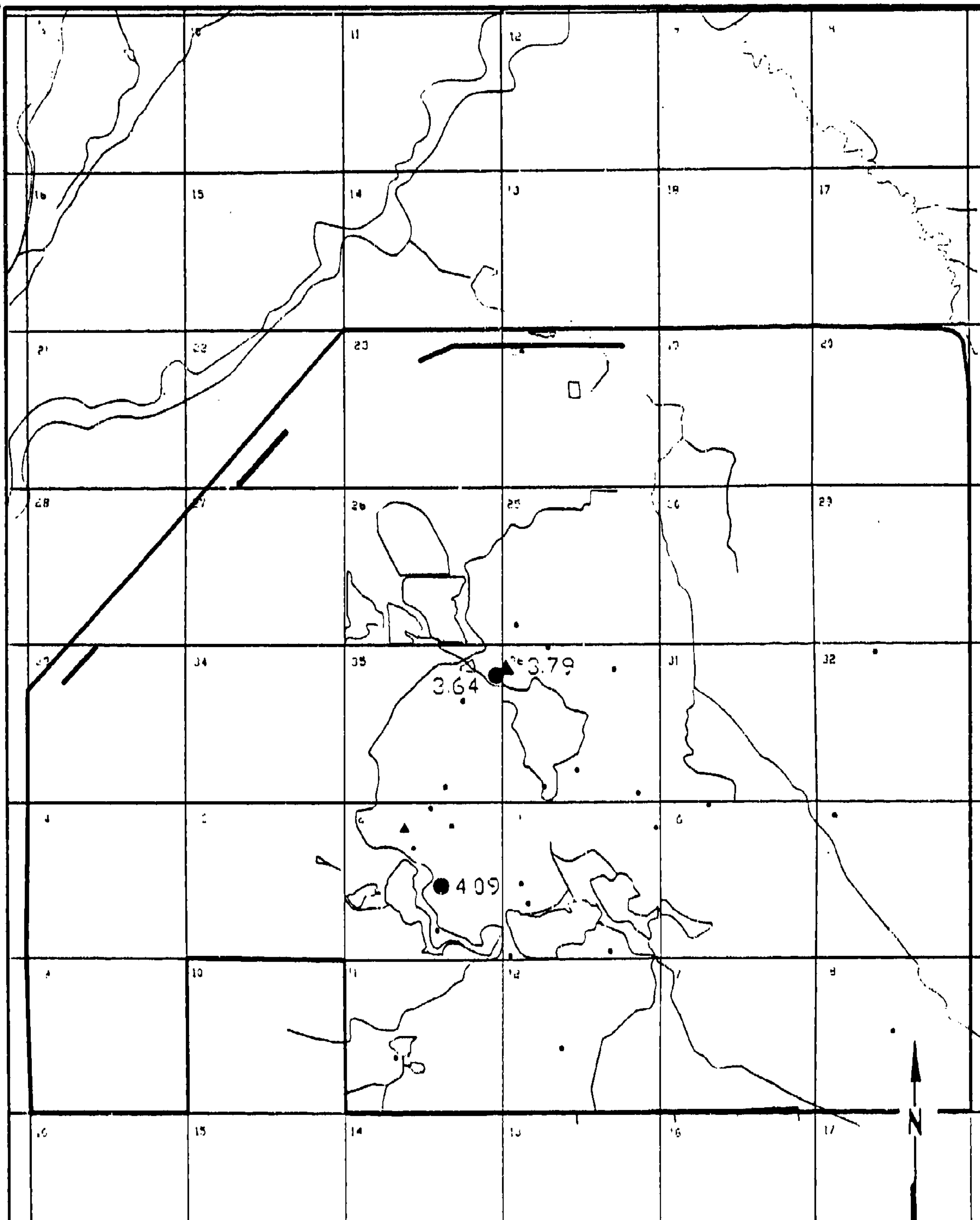
EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-63 CPMS DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987 SOURCE: Hunter/ESE, 1988	Prepared for: U.S. Army Program Manager's Office For Rocky Mountain Arsenal Aberdeen Proving Ground, Maryland

8-88, T 44



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-64
CPMS DETECTIONS DENVER ZONE A
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

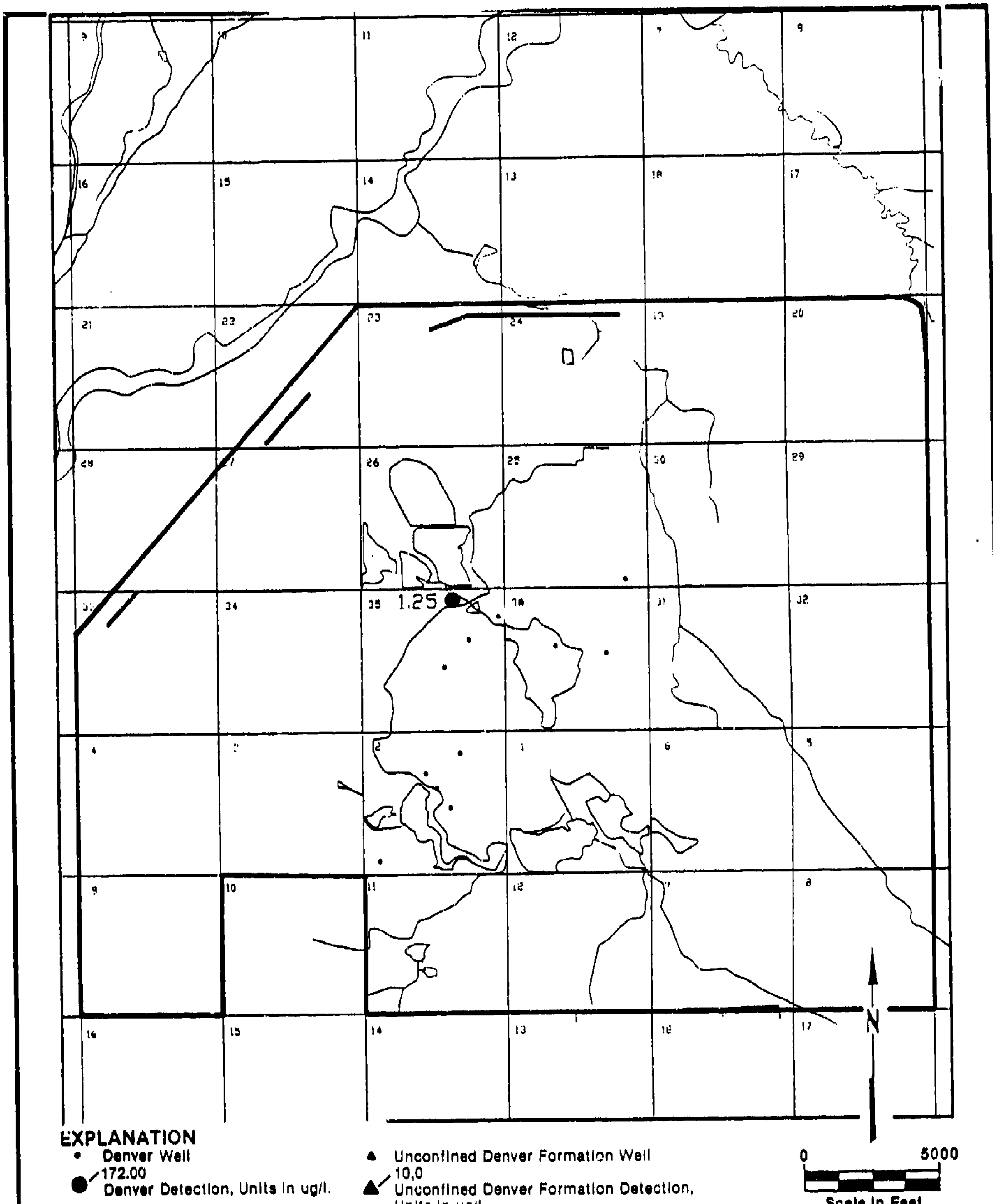


Figure D-65
CPMS DETECTIONS DENVER ZONE 1U
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

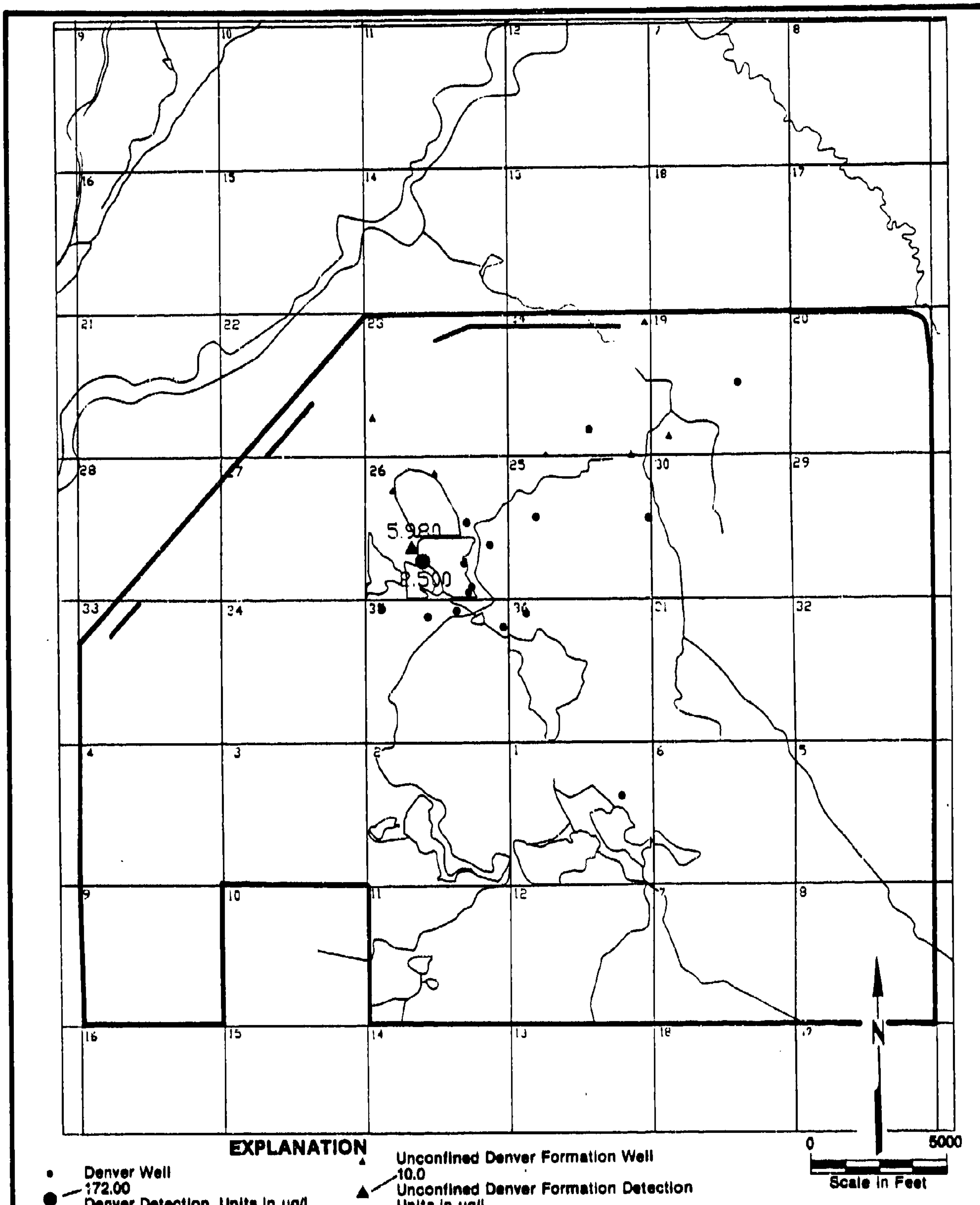
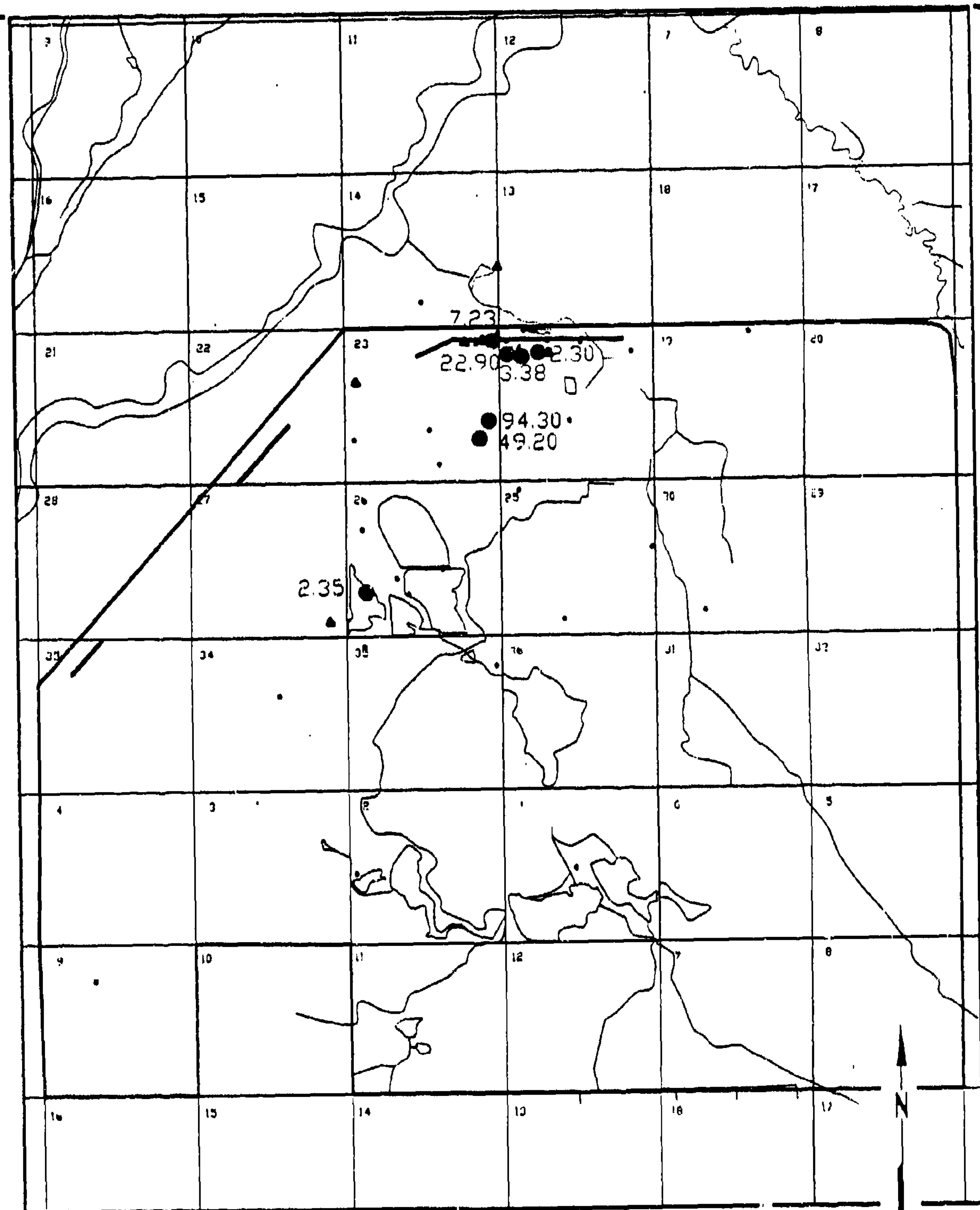


Figure D-66

CPMS DETECTIONS DENVER ZONE 1,
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

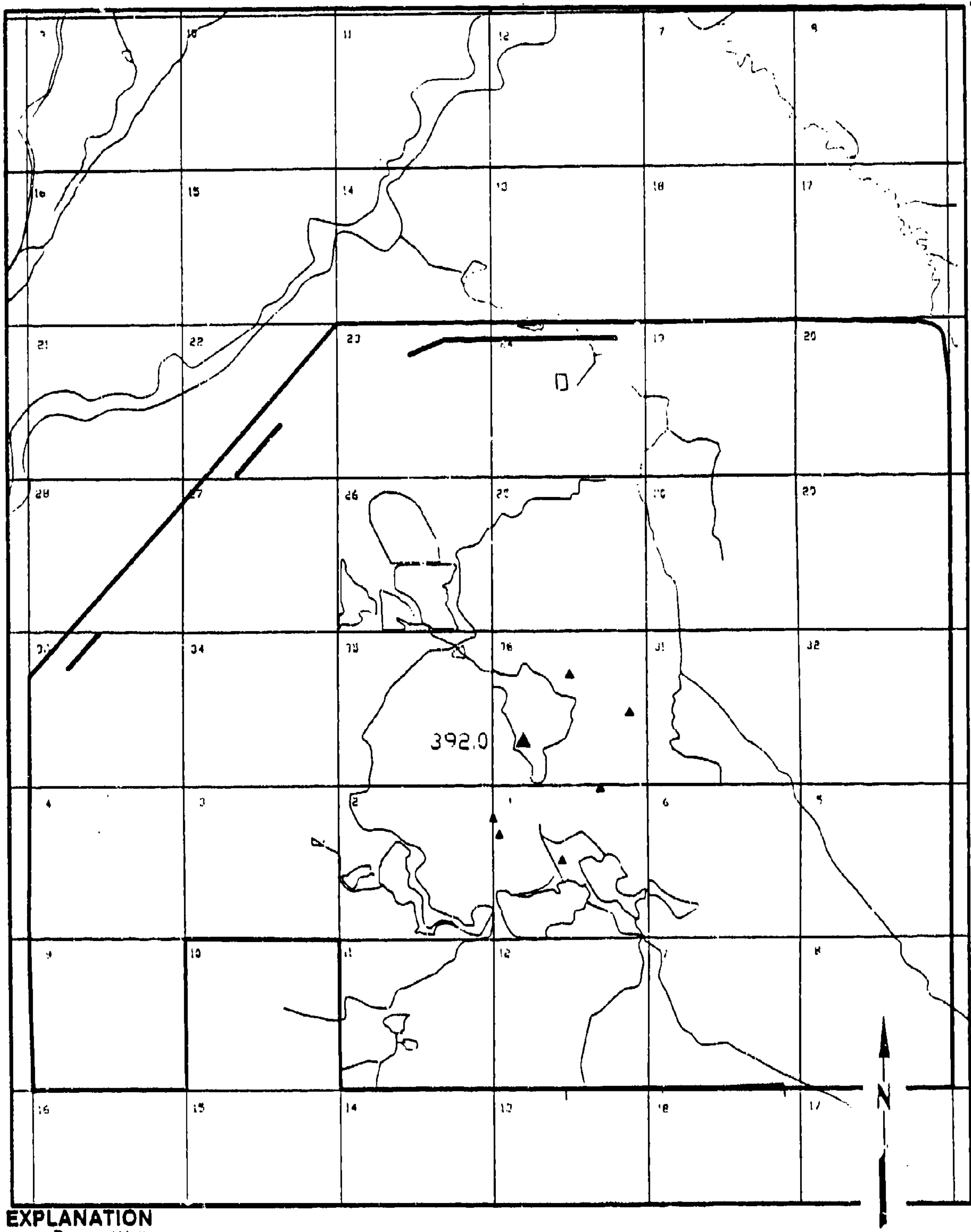


EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-67 **CPMS DETECTIONS DENVER ZONE 2** **3RD QUARTER FY 1987** SOURCE: Hunter/ESE, 1988	**Prepared for:** **U.S. Army Program Manager's Office** **For Rocky Mountain Arsenal** **Aberdeen Proving Ground, Maryland**



EXPLANATION

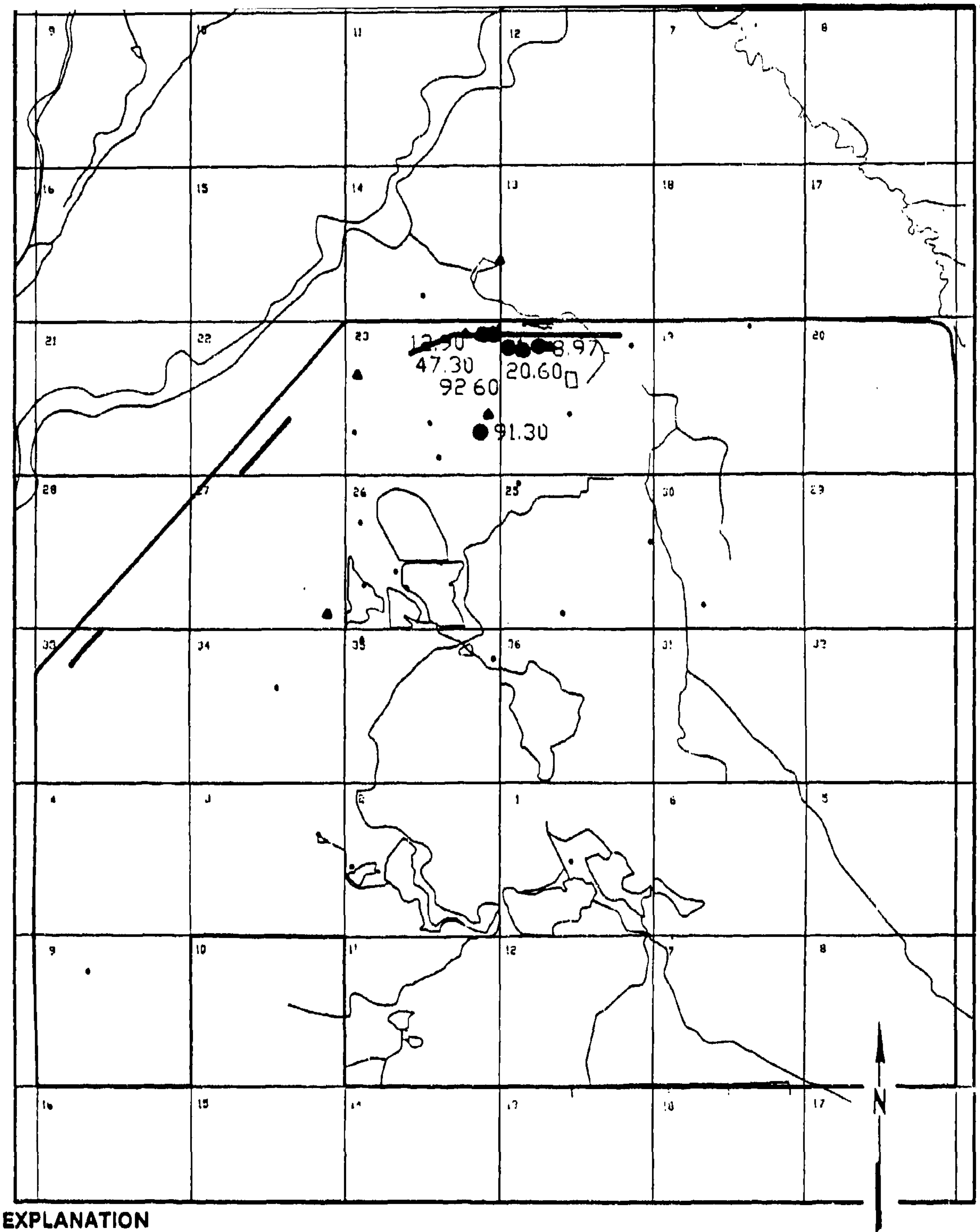
- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale In Feet

Figure D-68
CPMSO DETECTIONS DENVER ZONE VC/VCE
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



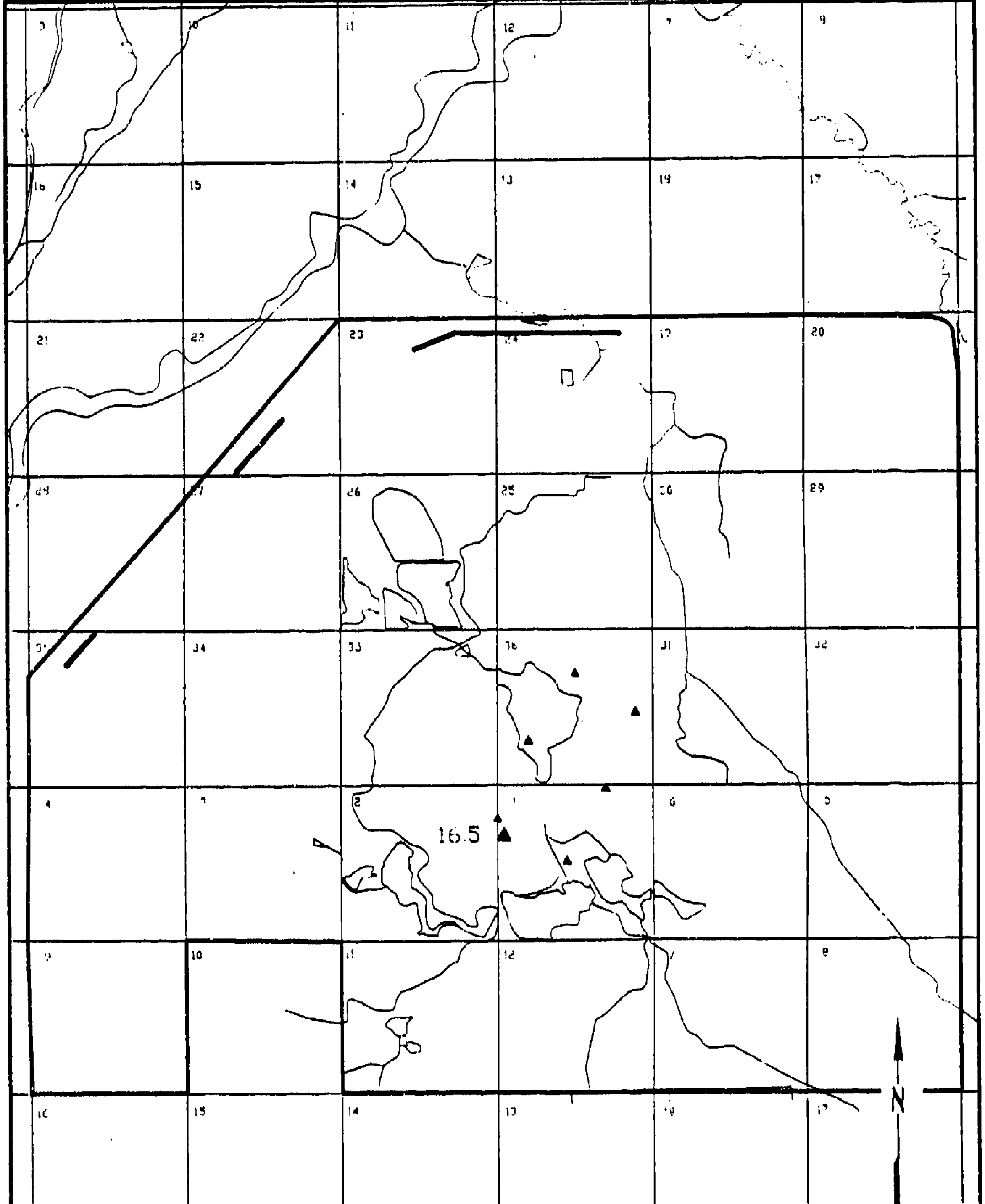
EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-69
CPMSO DETECTIONS DENVER ZONE 2
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-70 $CPMSO_2$ DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987 SOURCE: Hunter/ESE, 1988	Prepared for: U.S. Army Program Manager's Office For Rocky Mountain Arsenal Aberdeen Proving Ground, Maryland

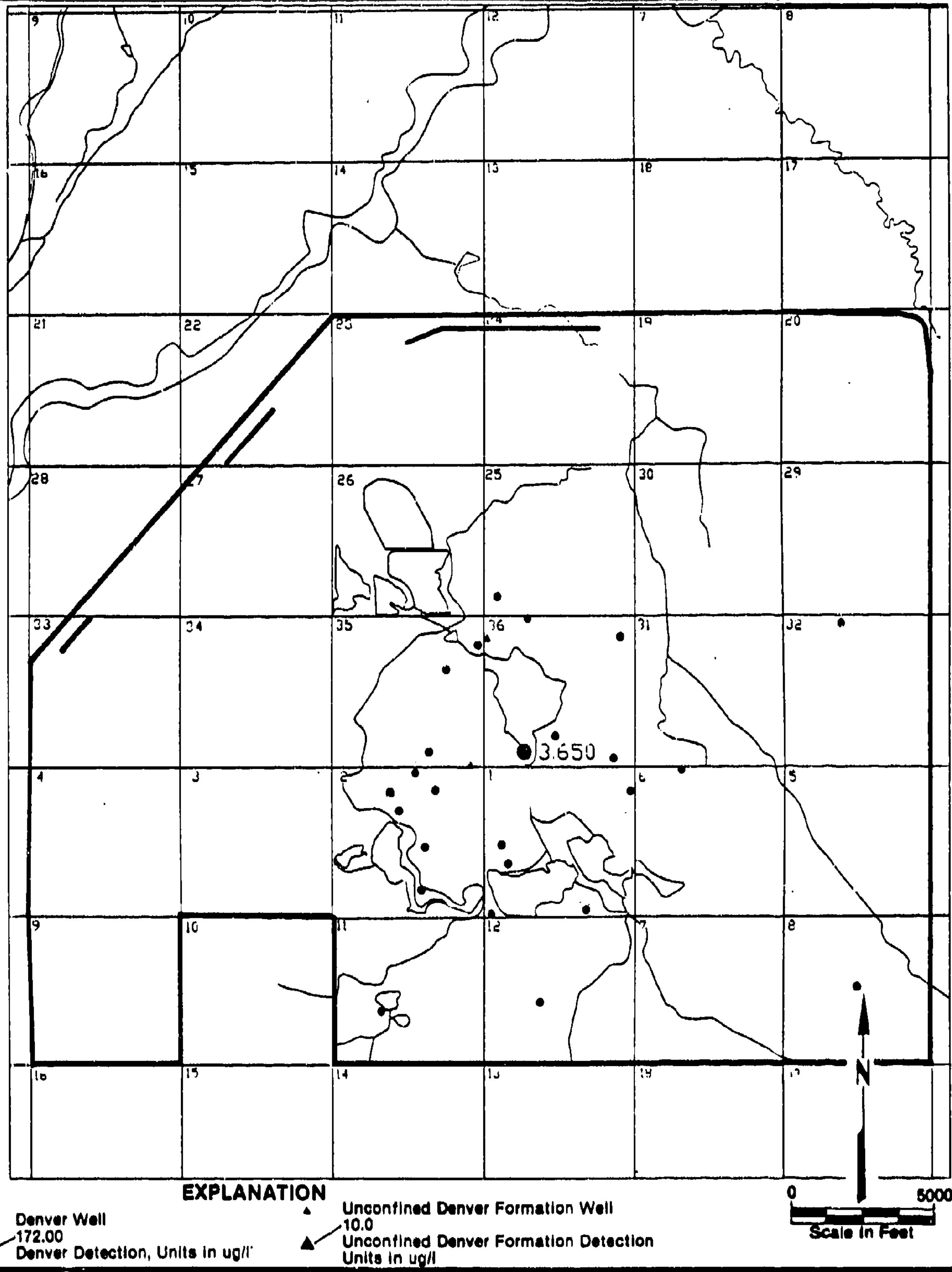


Figure D-71

CPMSO$_2$ DETECTIONS DENVER ZONE A, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

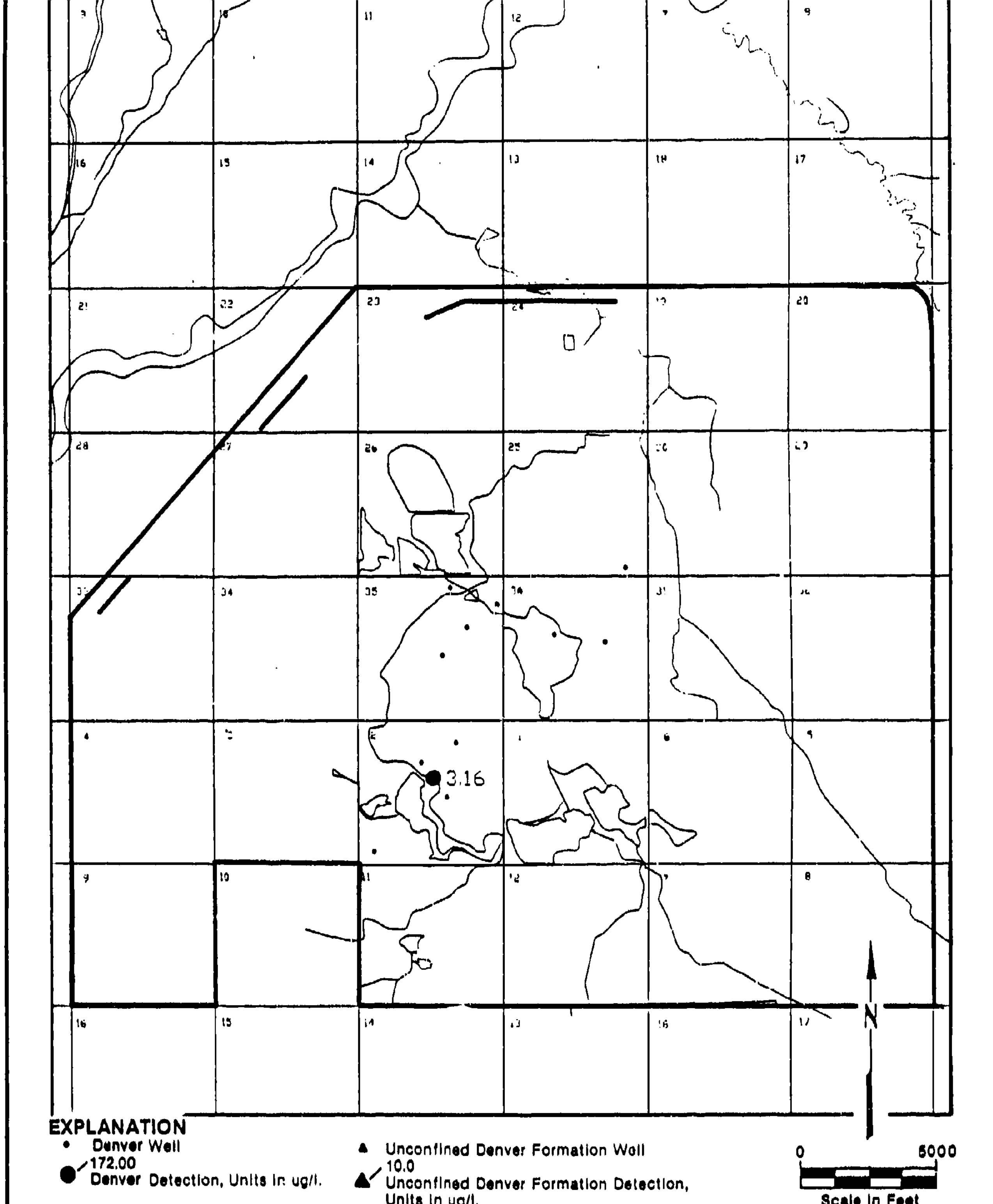
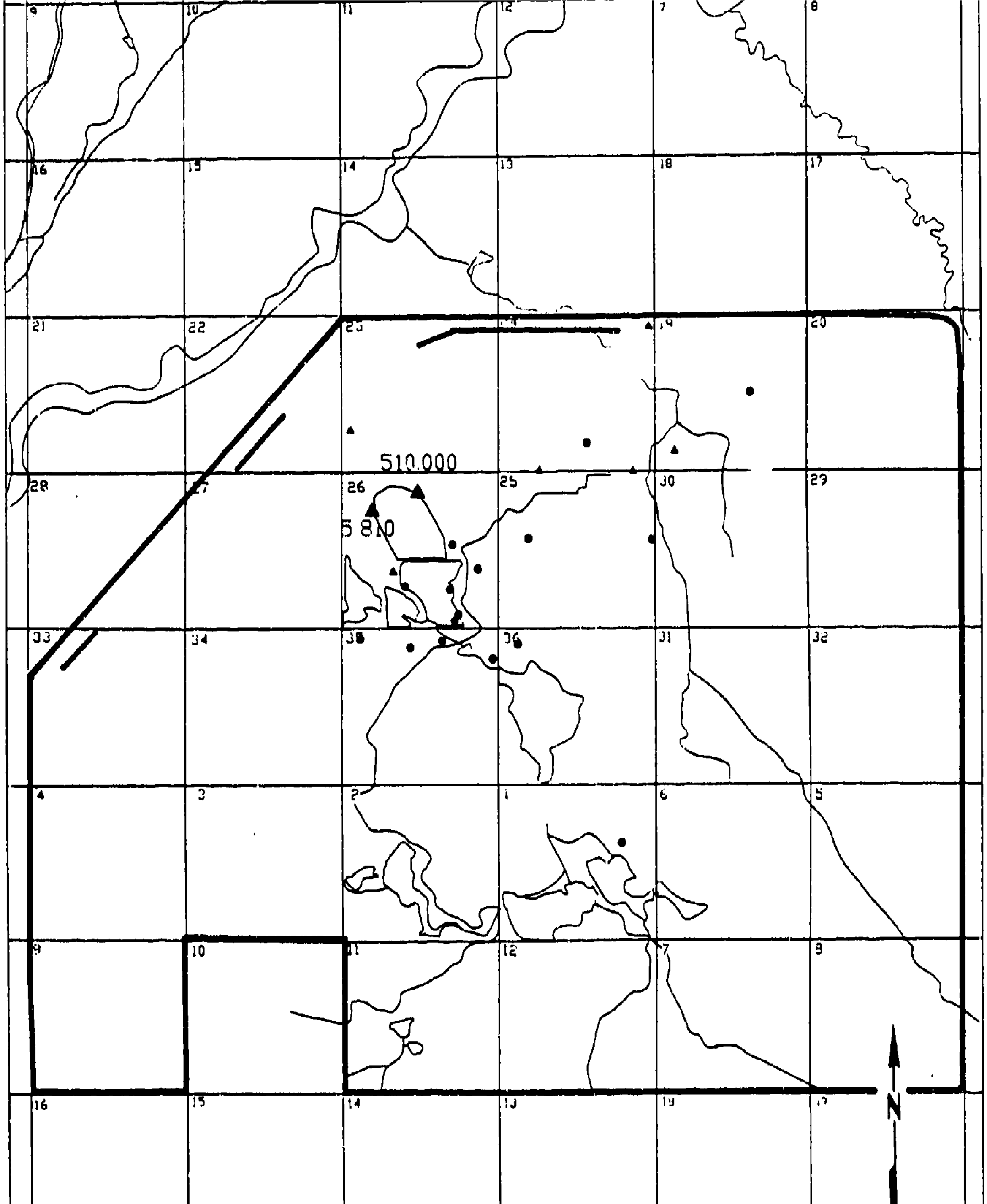


Figure D-72

CPMSO$_2$ DETECTIONS DENVER ZONE 1U
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection Units in ug/l

0 5000
Scale In Feet

Figure D-73

CPMSO, DETECTIONS DENVER ZONE 1, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

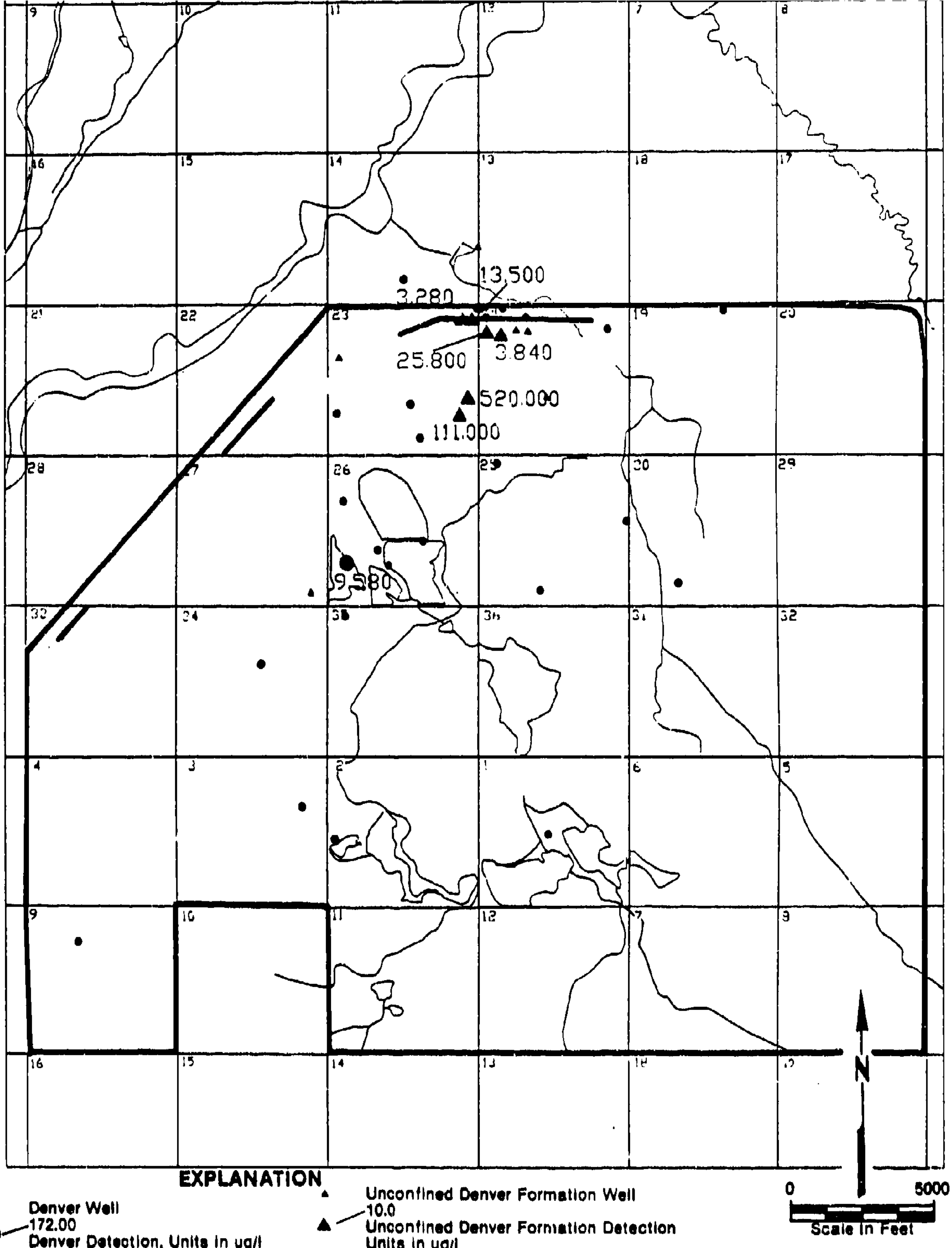
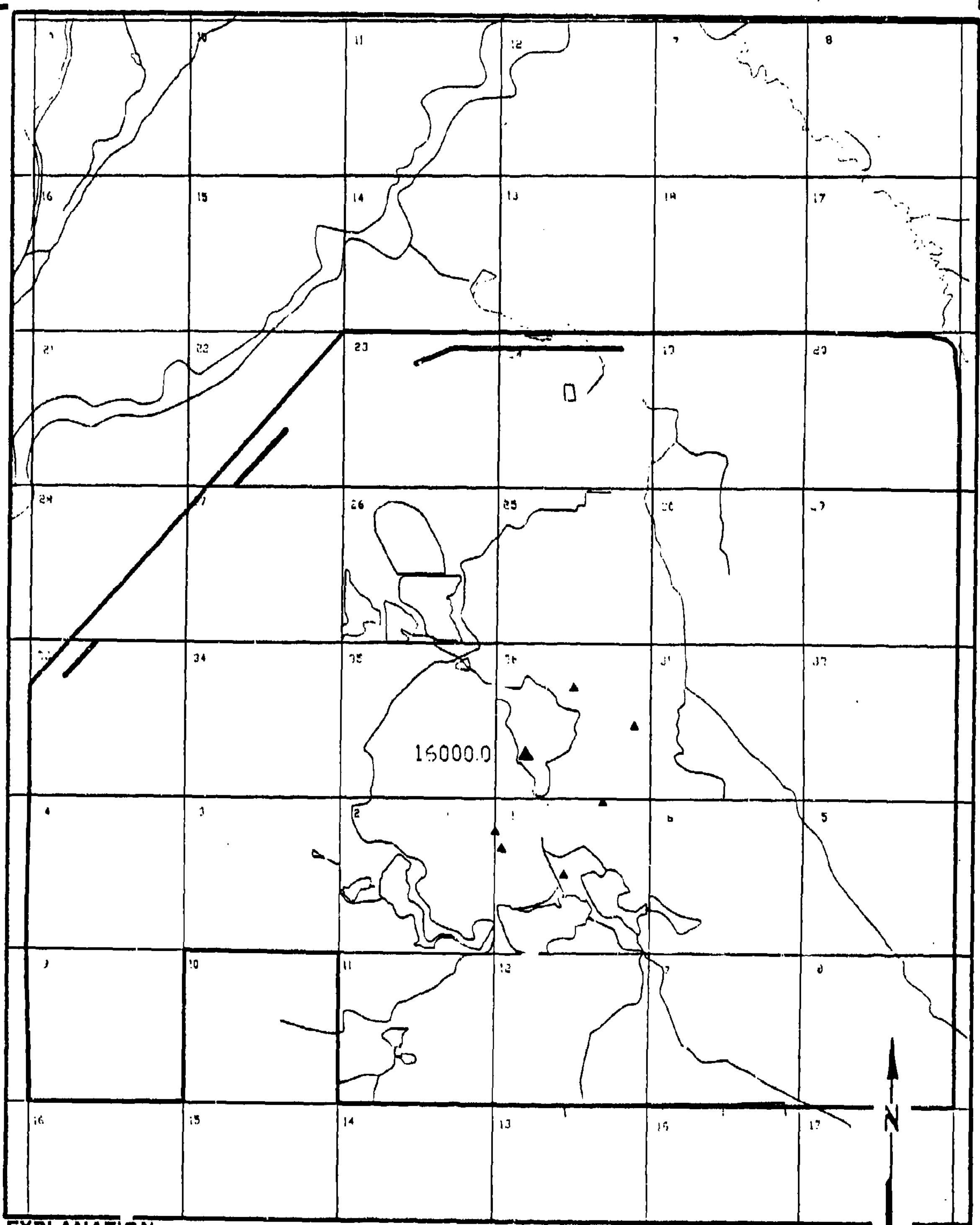


Figure D-74

CPMSO$_2$ DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

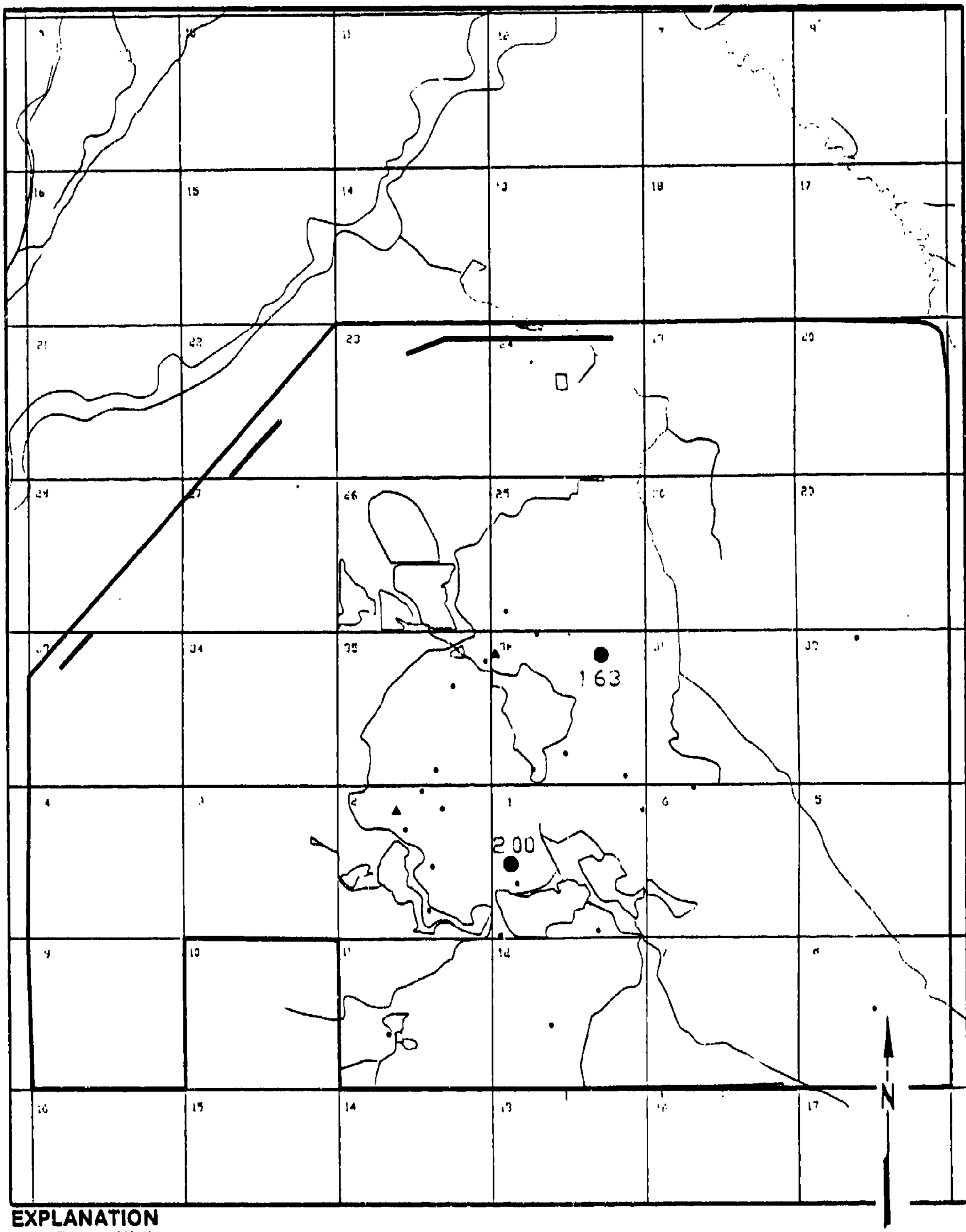
- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-75
BENZENE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-76
BENZENE DETECTIONS DENVER ZONE A 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

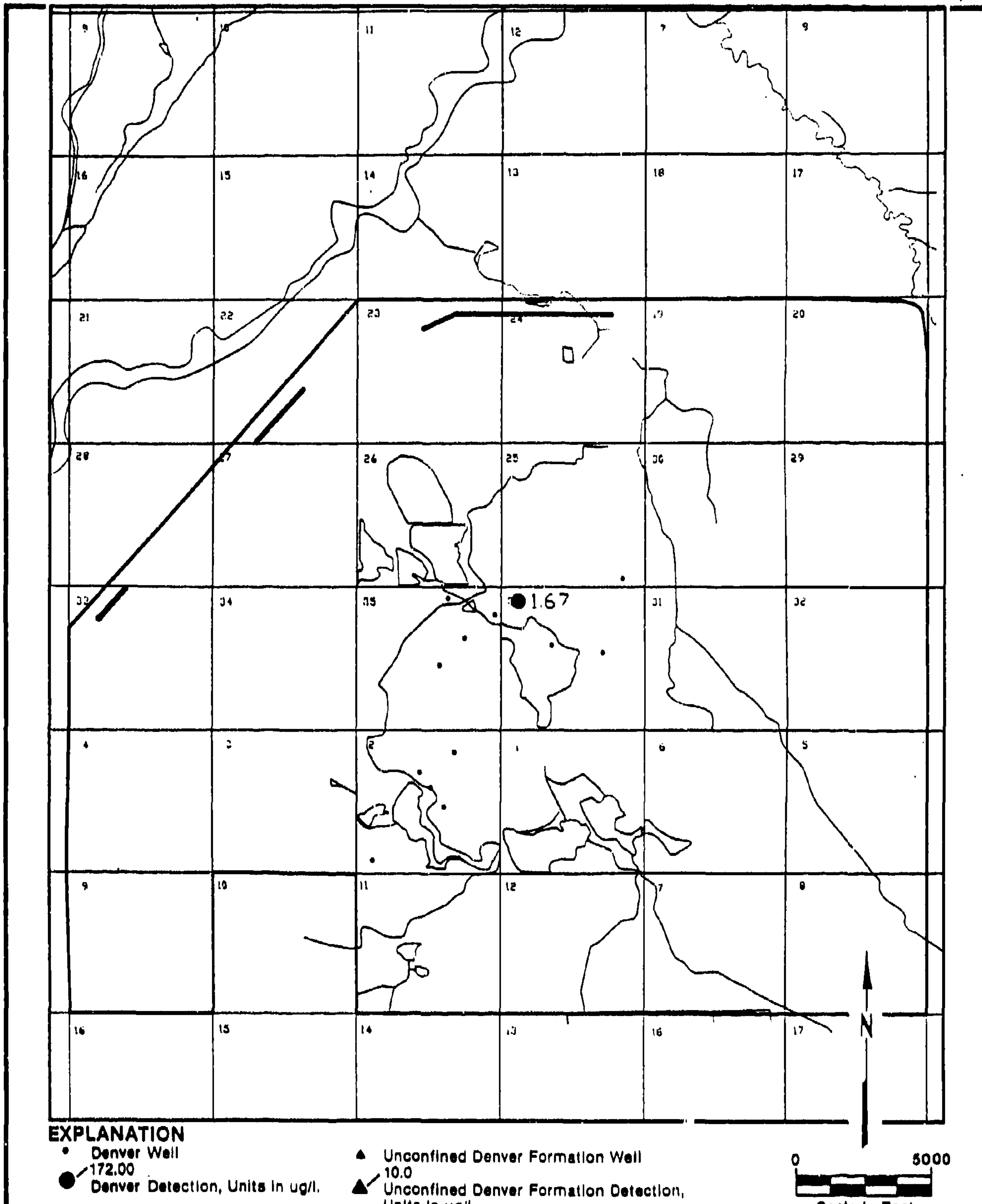
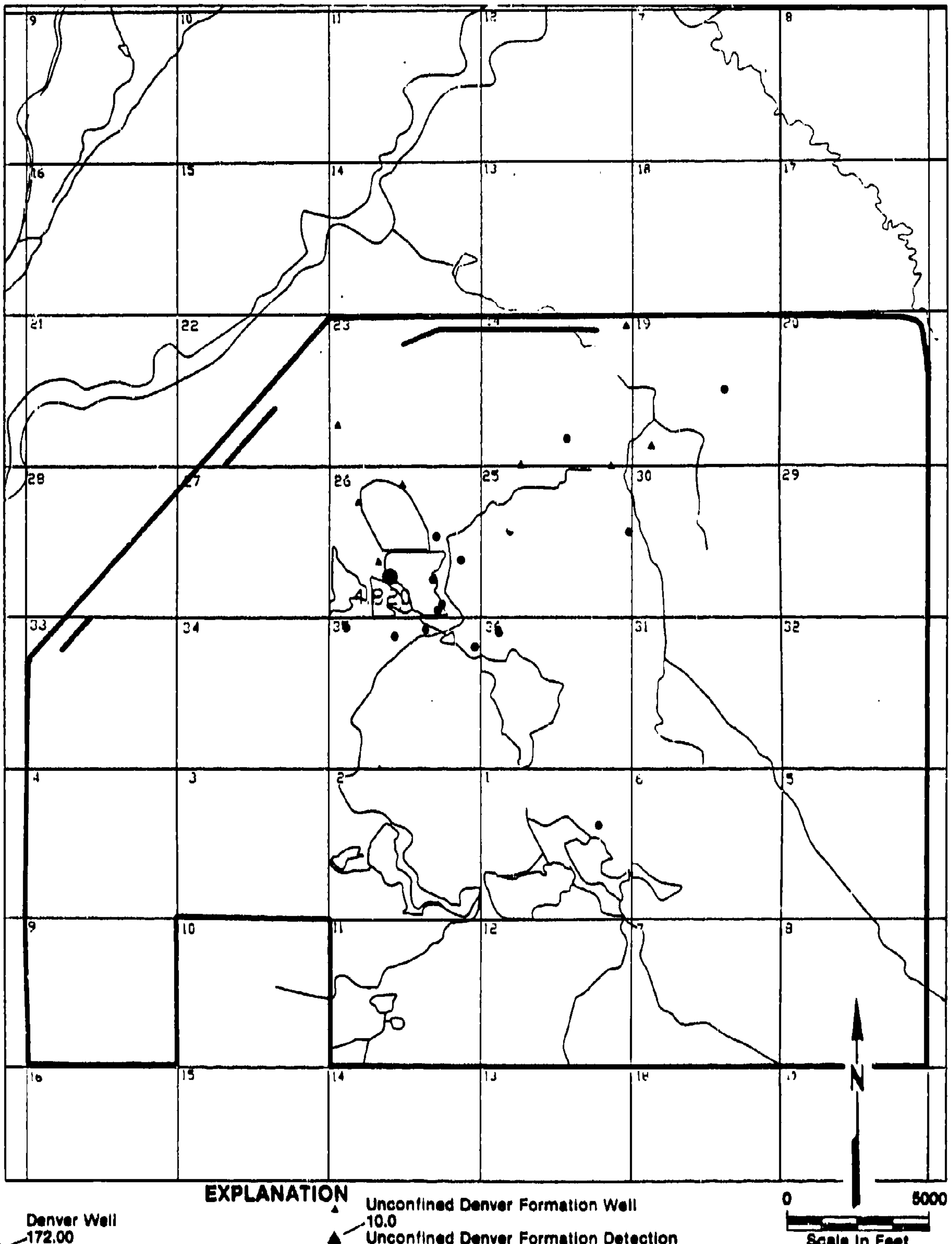


Figure D-77
BENZENE DETECTIONS DENVER ZONE 1U
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

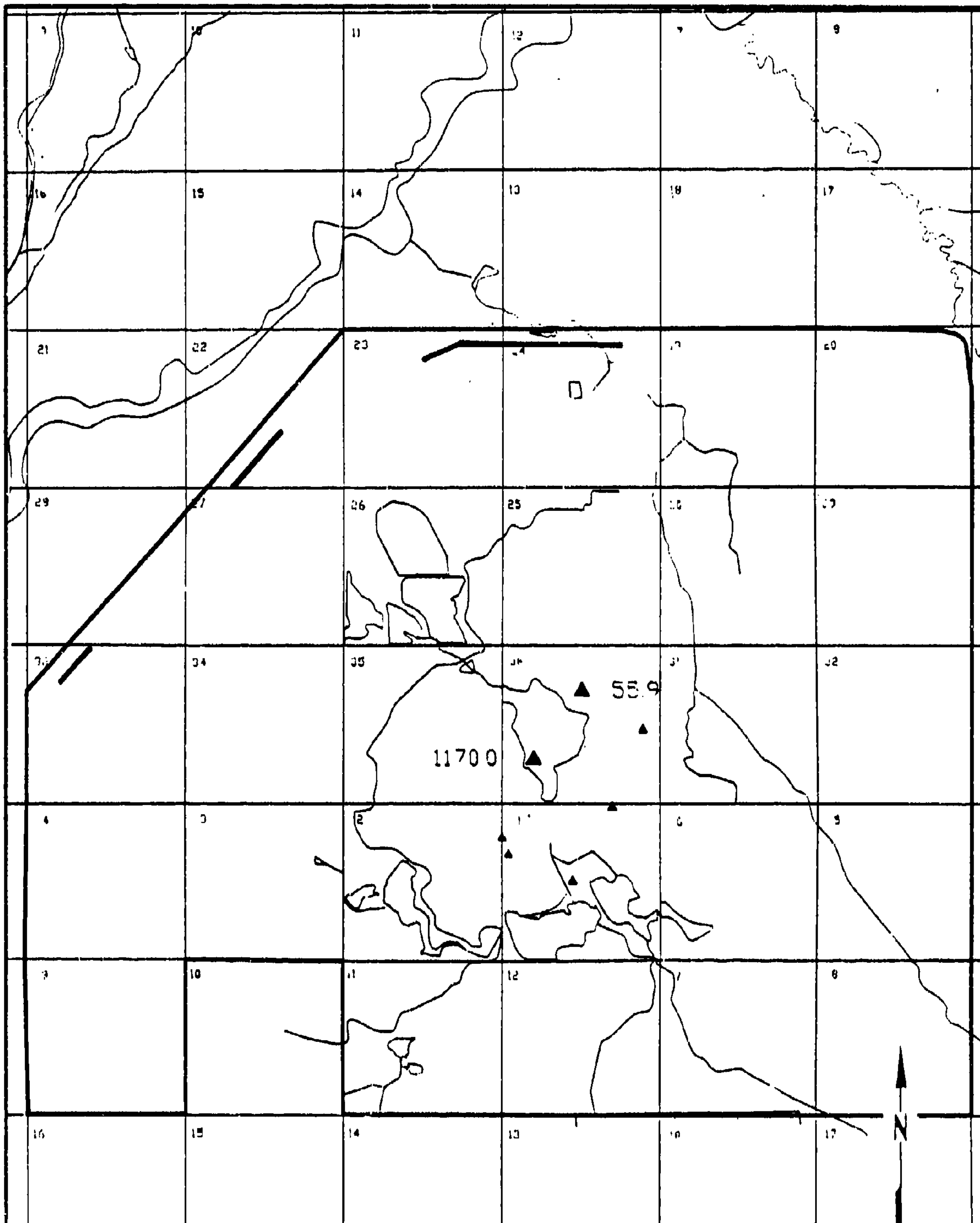
- • Denver Well
- 172.00 ● Denver Detection, Units in ug/l
- ▲ Unconfined Denver Formation Well
- 10.0 ▲ Unconfined Denver Formation Detection Units in ug/l

Figure D-78

BENZENE DETECTIONS DENVER ZONE 1, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-79

CHLOROBENZENE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

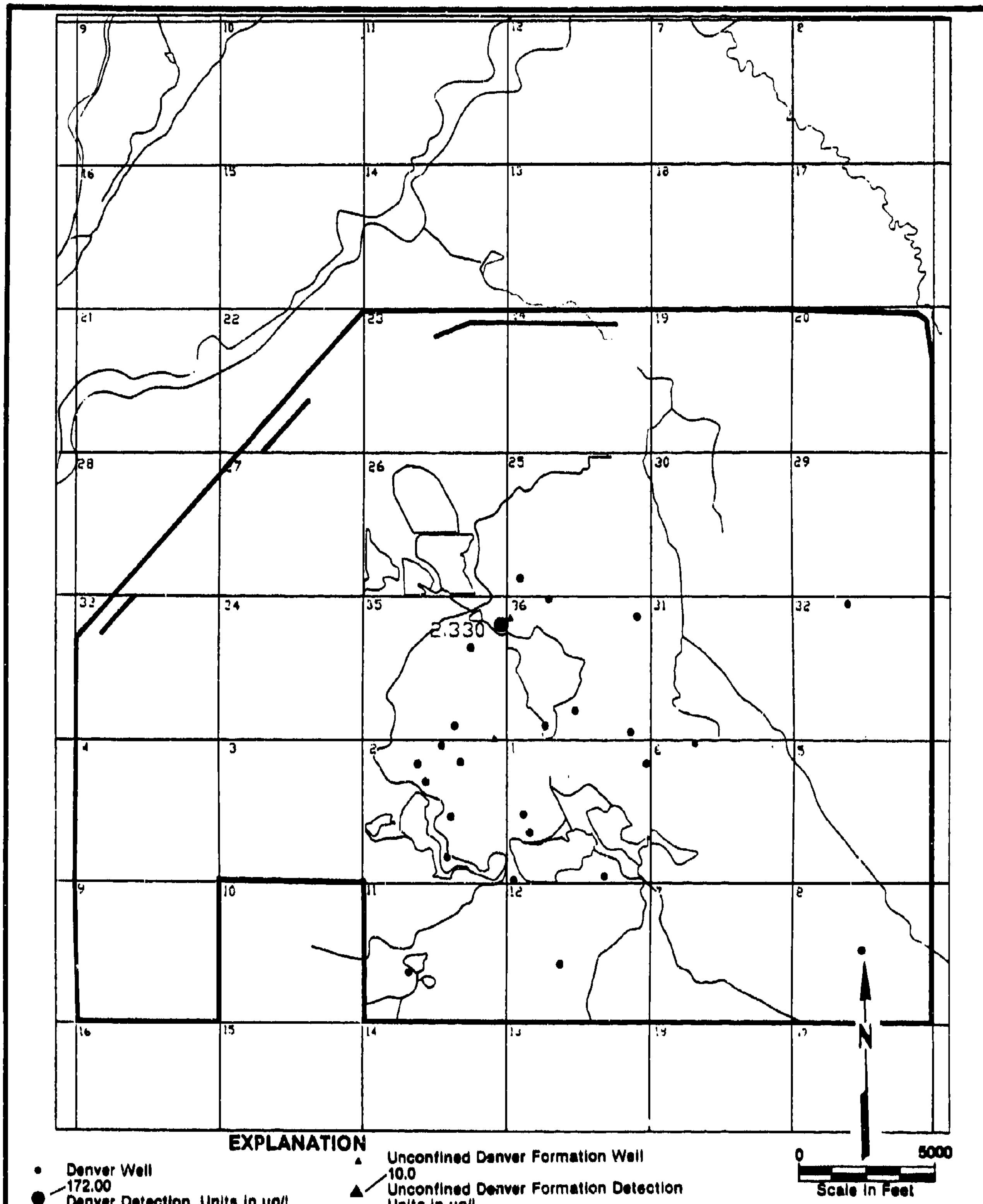


Figure D-80

CHLOROBENZENE DETECTIONS DENVER ZONE A, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

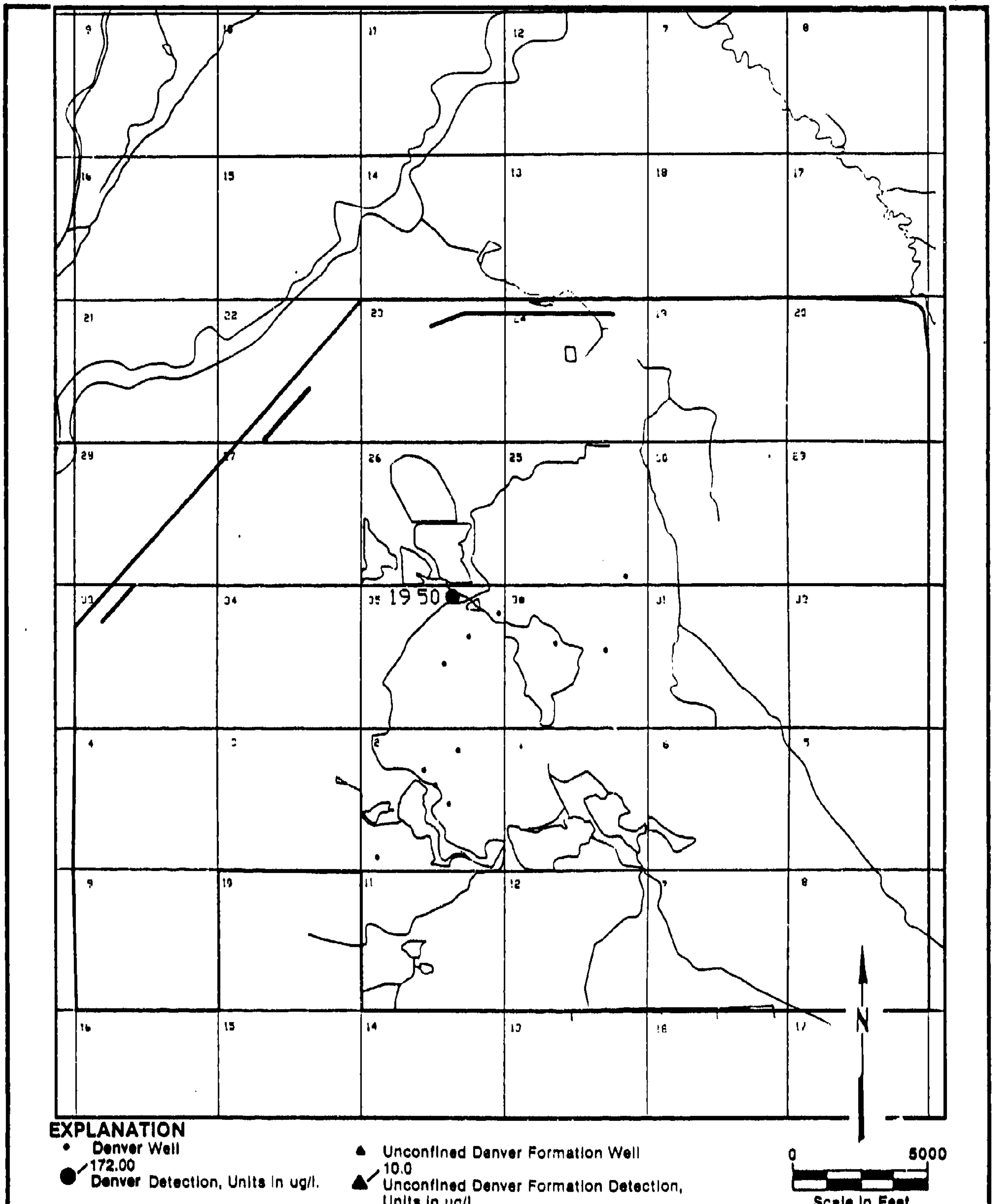


Figure D-81.
CHLOROBENZENE DETECTIONS DENVER ZONE 1U 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

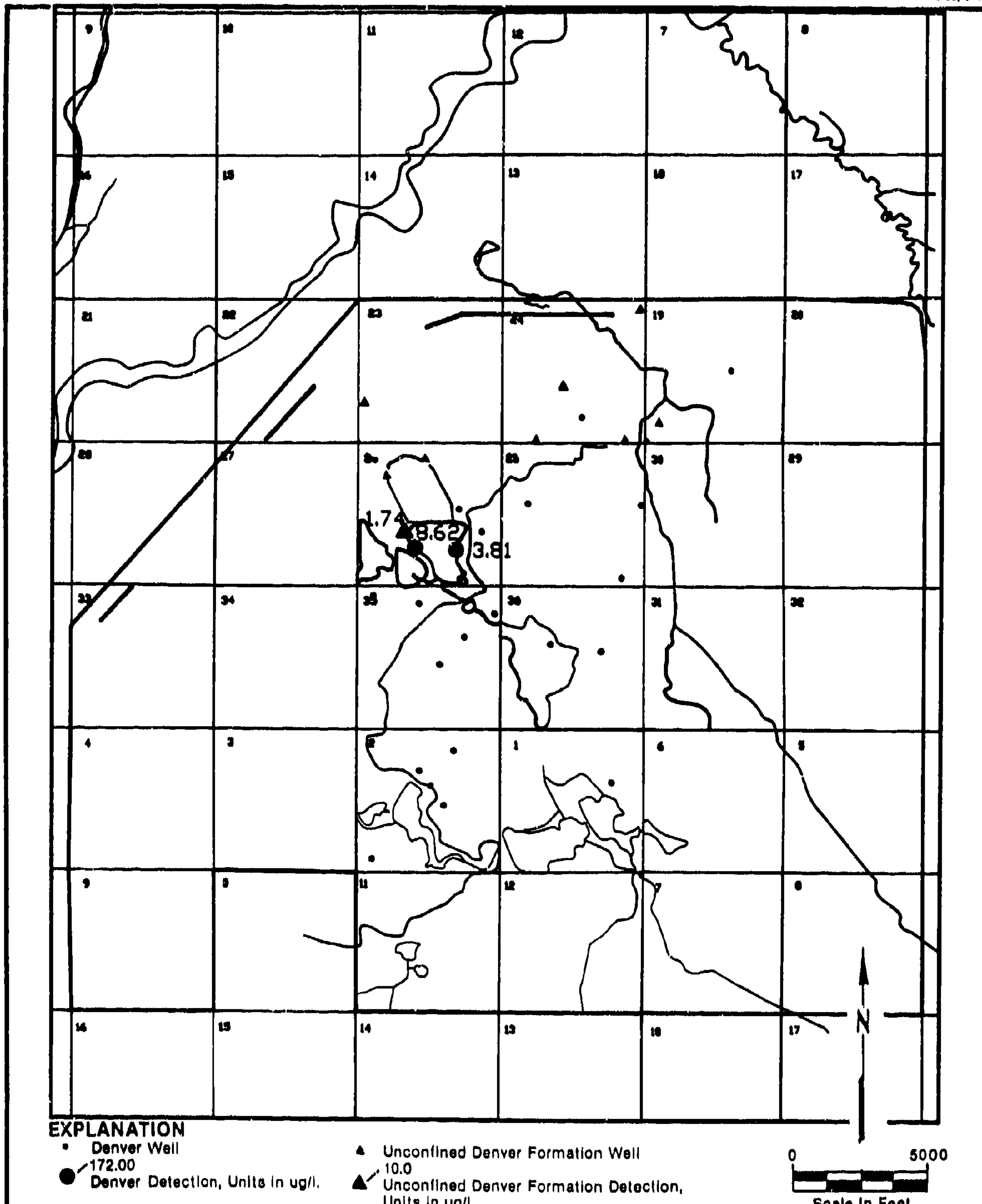


Figure D-82
CHLOROBENZENE DETECTIONS DENVER ZONE 1 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

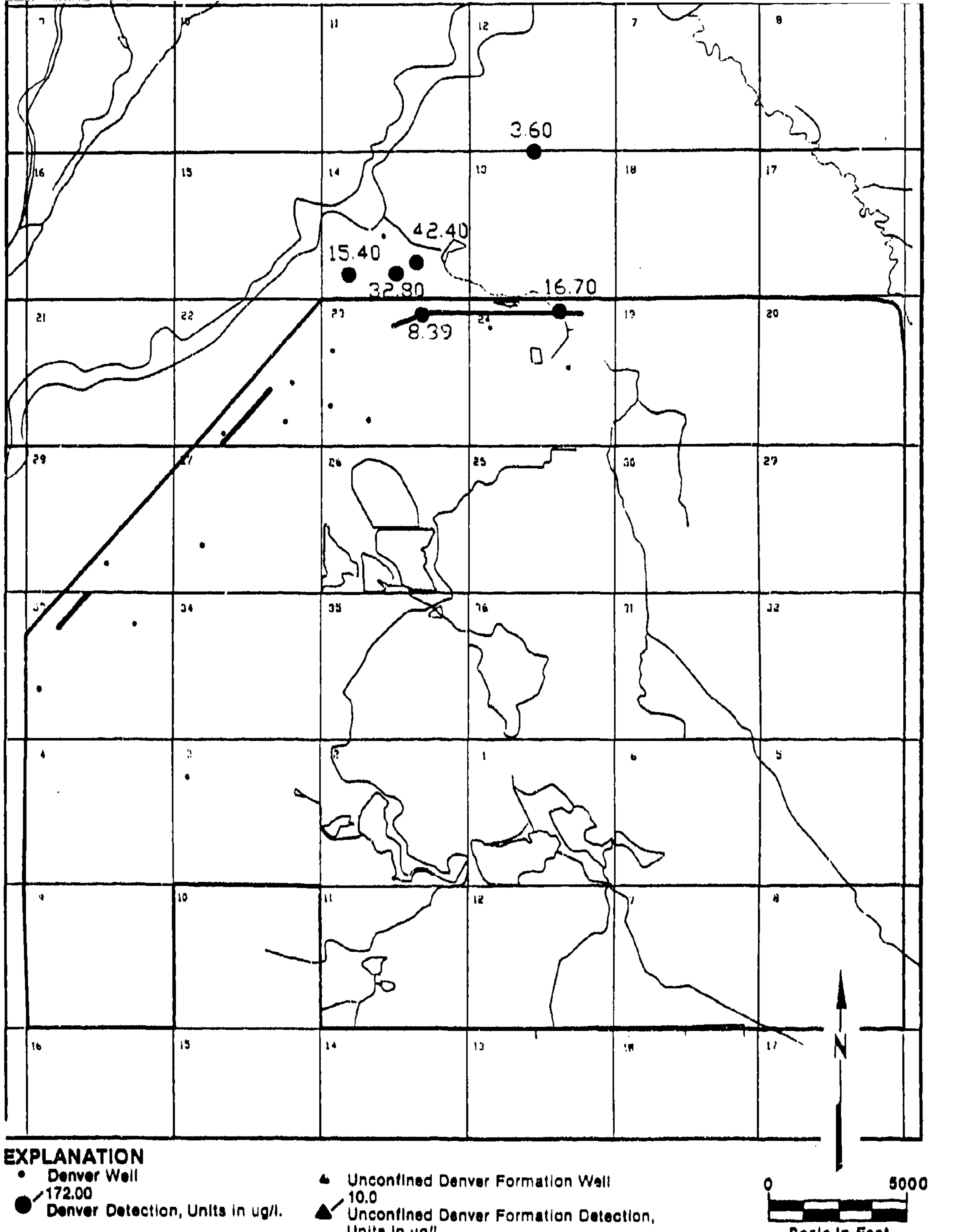
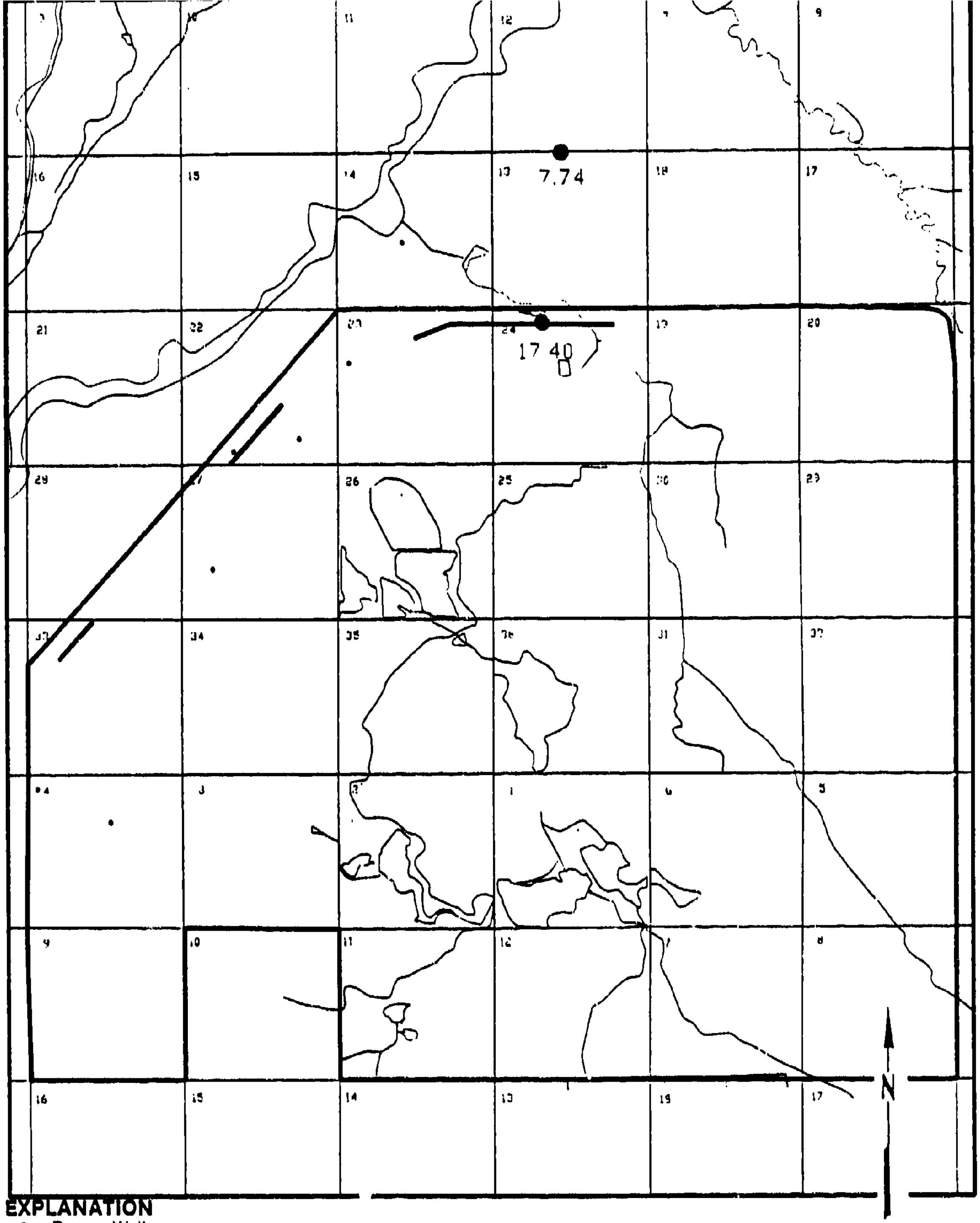


Figure D-83
CHLOROBENZENE DETECTIONS DENVER ZONE 4 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-84
CHLOROBENZENE DETECTIONS DENVER ZONE 5 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

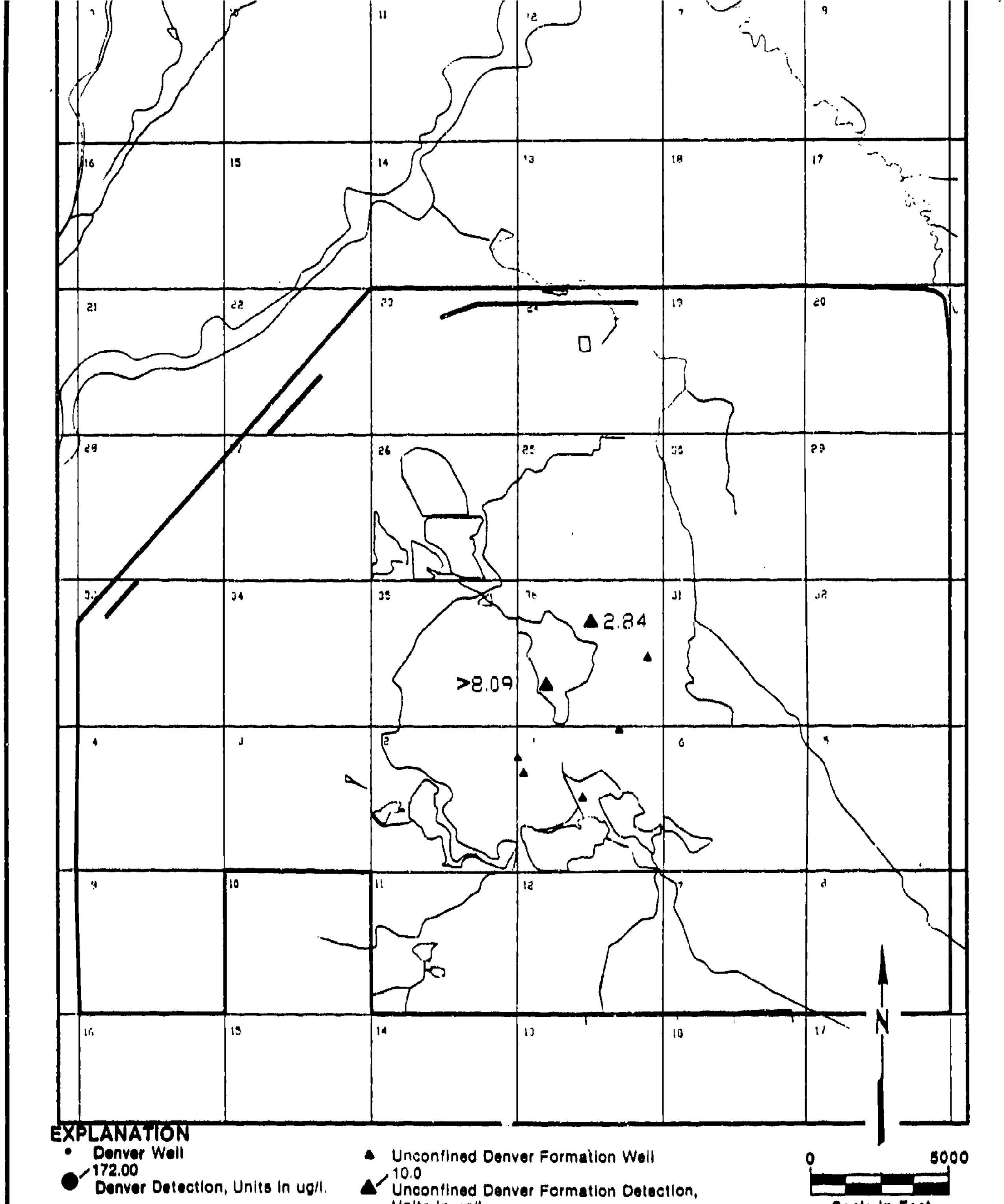


Figure D-85

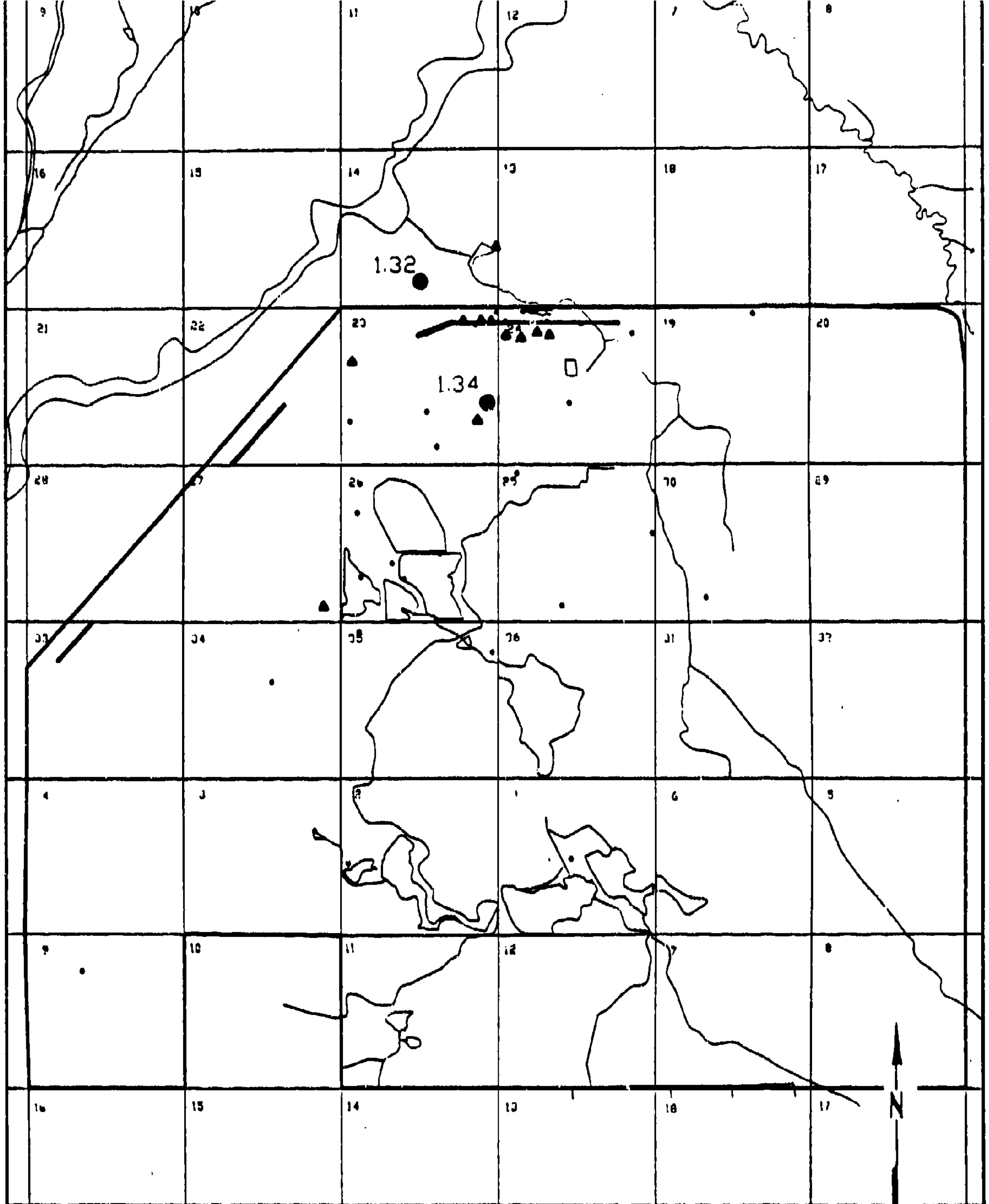
ETHYLBENZENE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

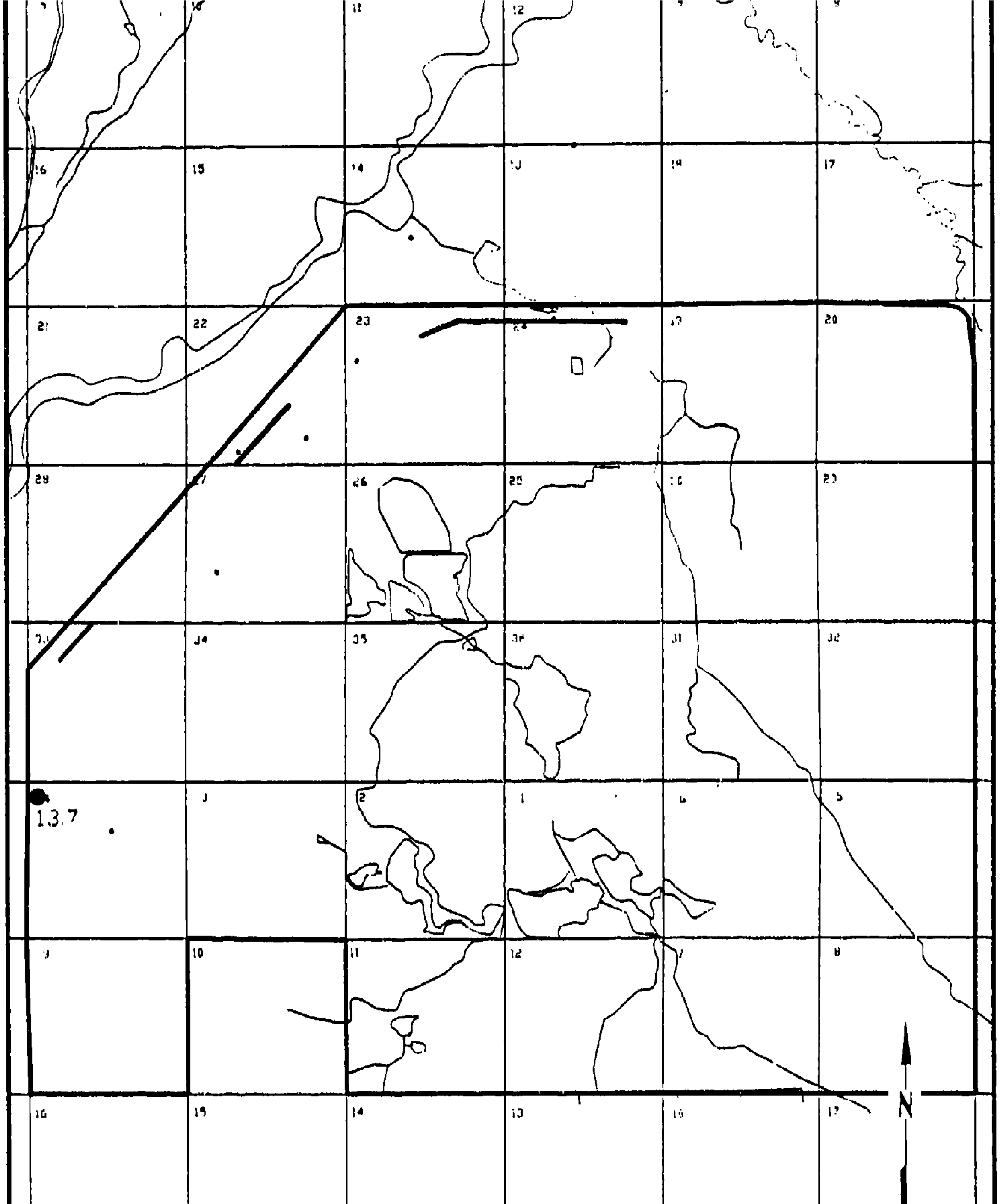
0 5000
Scale in Feet

Figure D-86

ETHYLBENZENE DETECTIONS DENVER ZONE 2 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-87

ETHYLBENZENE DETECTIONS DENVER ZONE 5 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

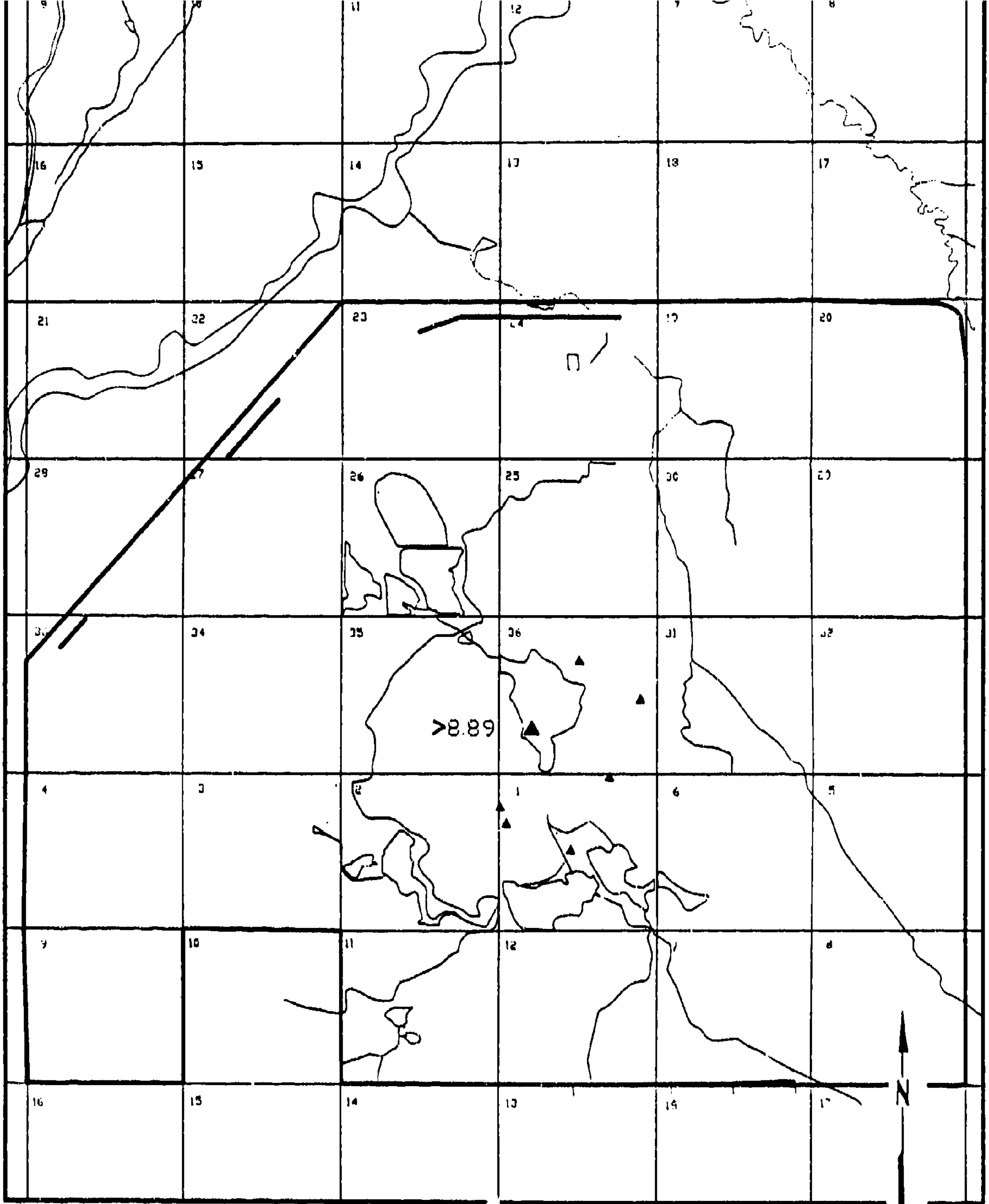
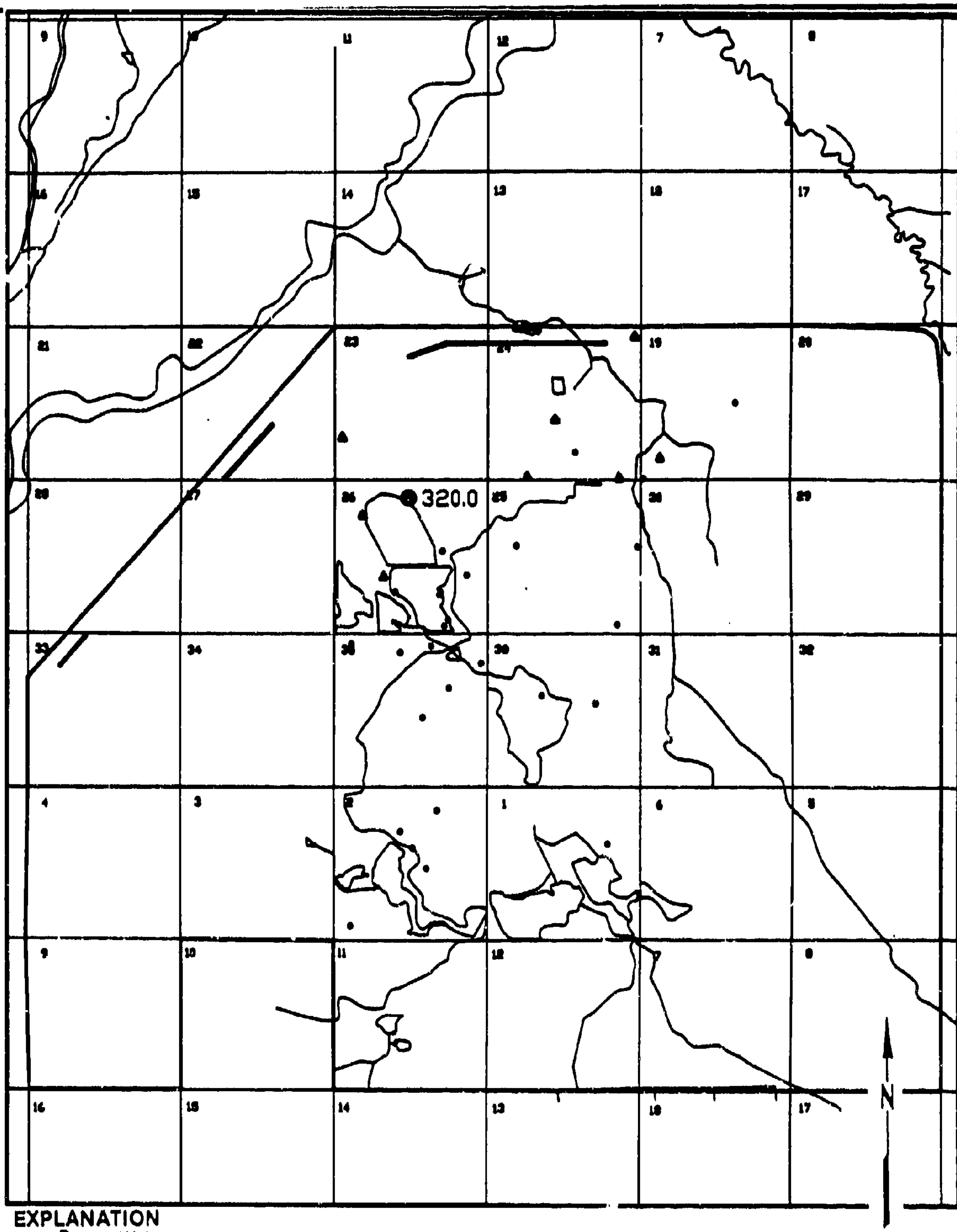


Figure D-88
TOLUENE DETECTIONS DENVER ZONE
VC/VCE 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-89 TOLUENE DETECTIONS DENVER ZONE 1 3RD QUARTER FY 1987 SOURCE: Hunter/ESE, 1988	**Prepared for:** **U.S. Army Program Manager's Office** **For Rocky Mountain Arsenal** **Aberdeen Proving Ground, Maryland**

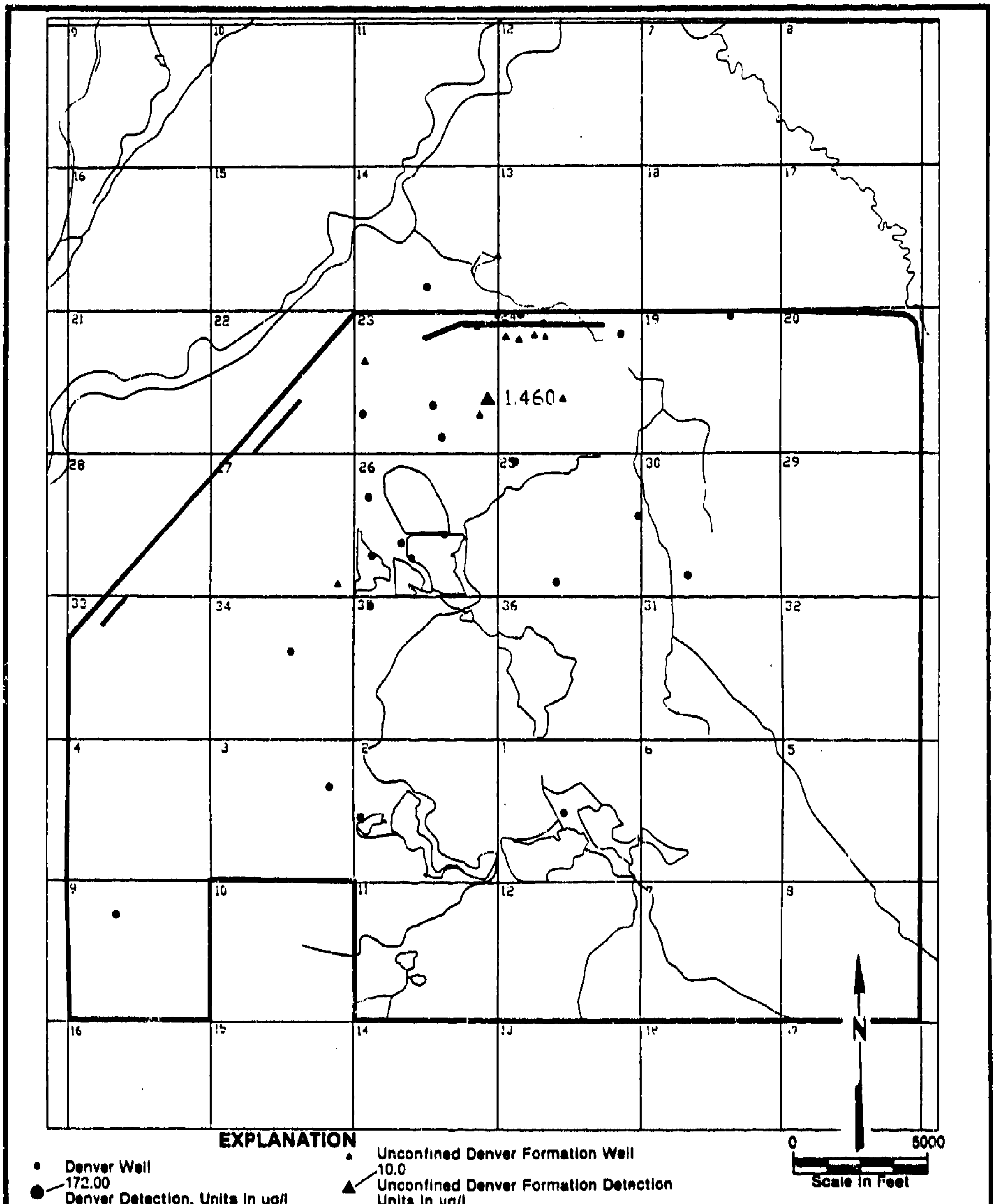
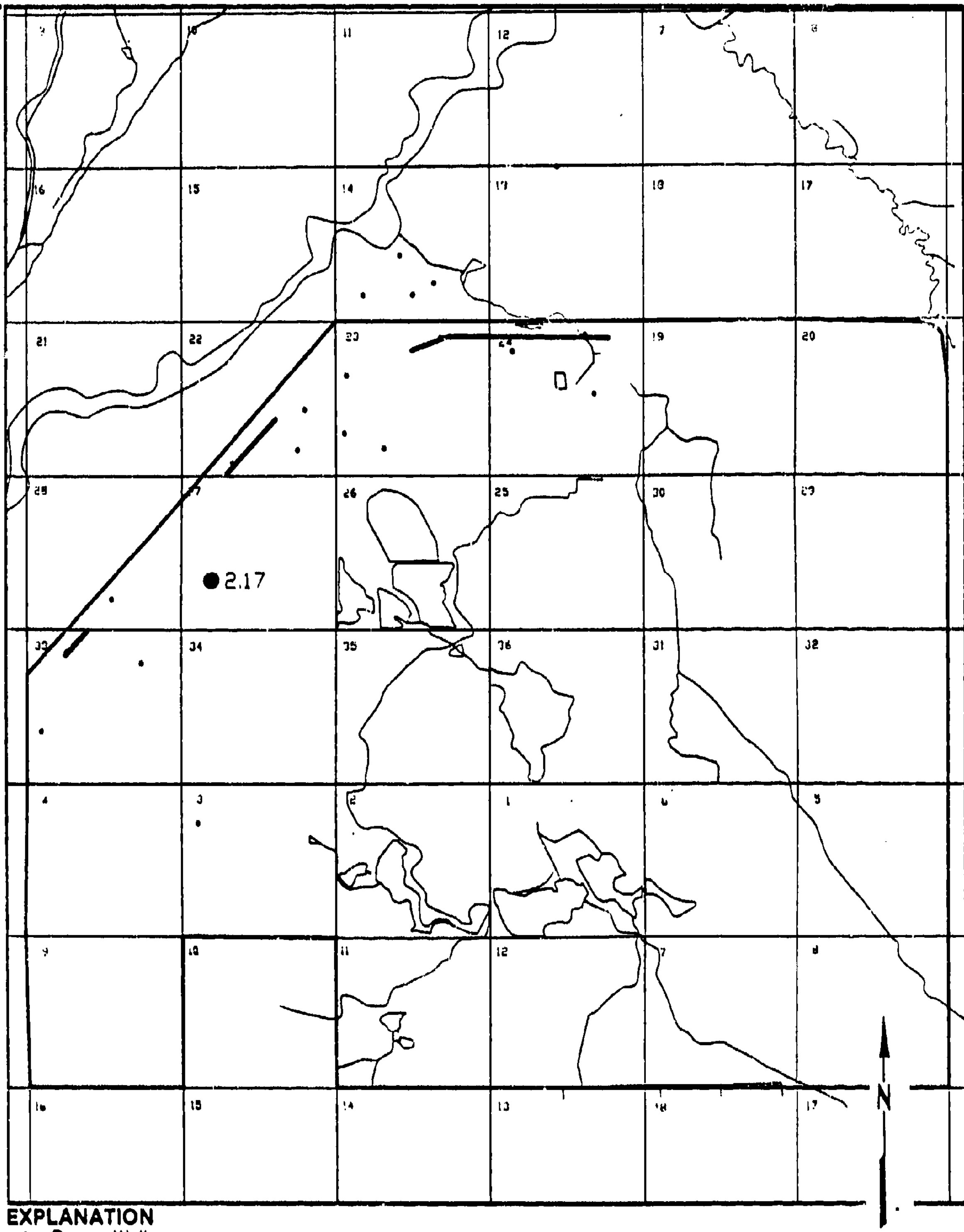


Figure D-90

TOLUENE DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale In Feet

Figure D-91
TOLUENE DETECTIONS DENVER ZONE 4
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

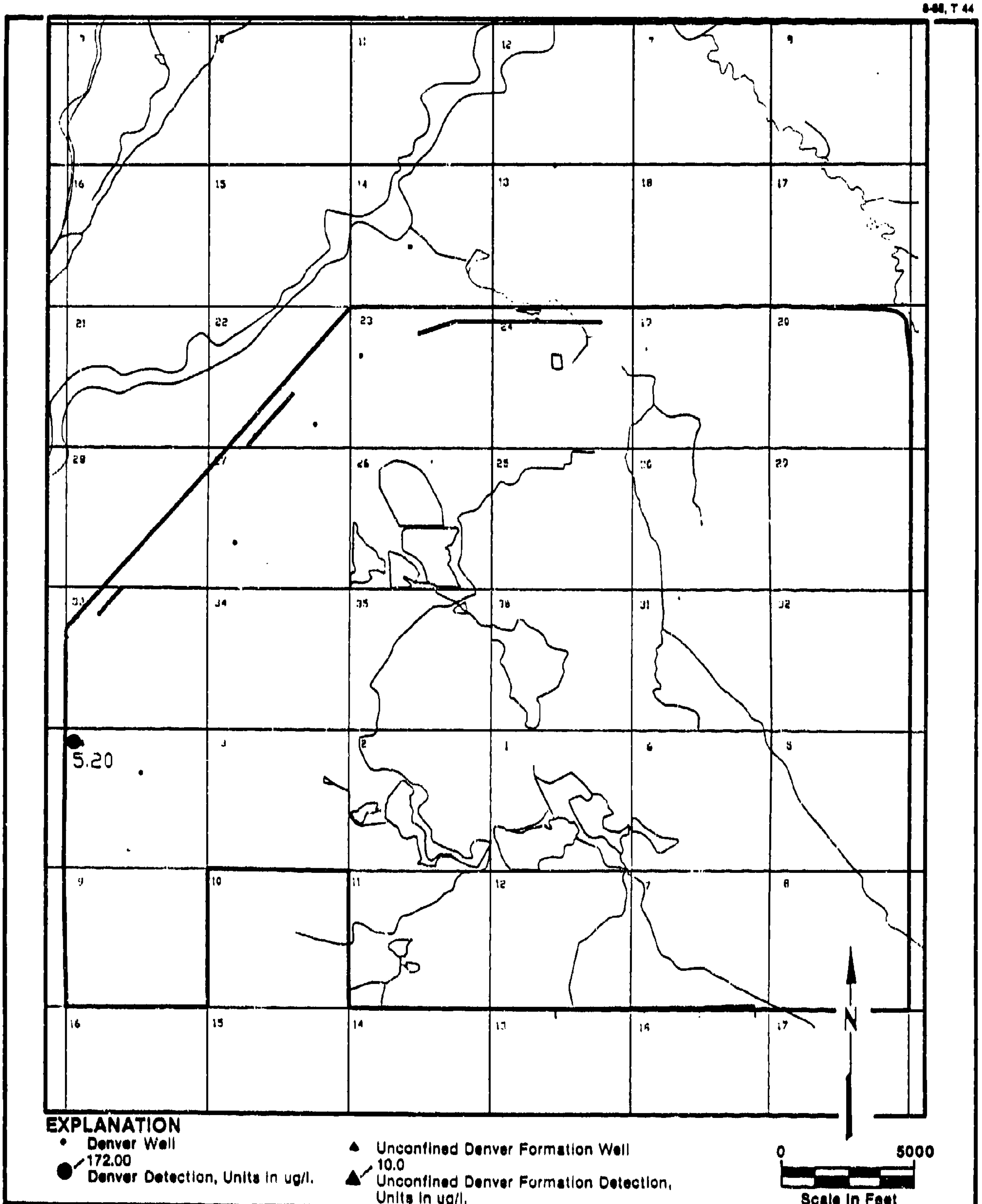
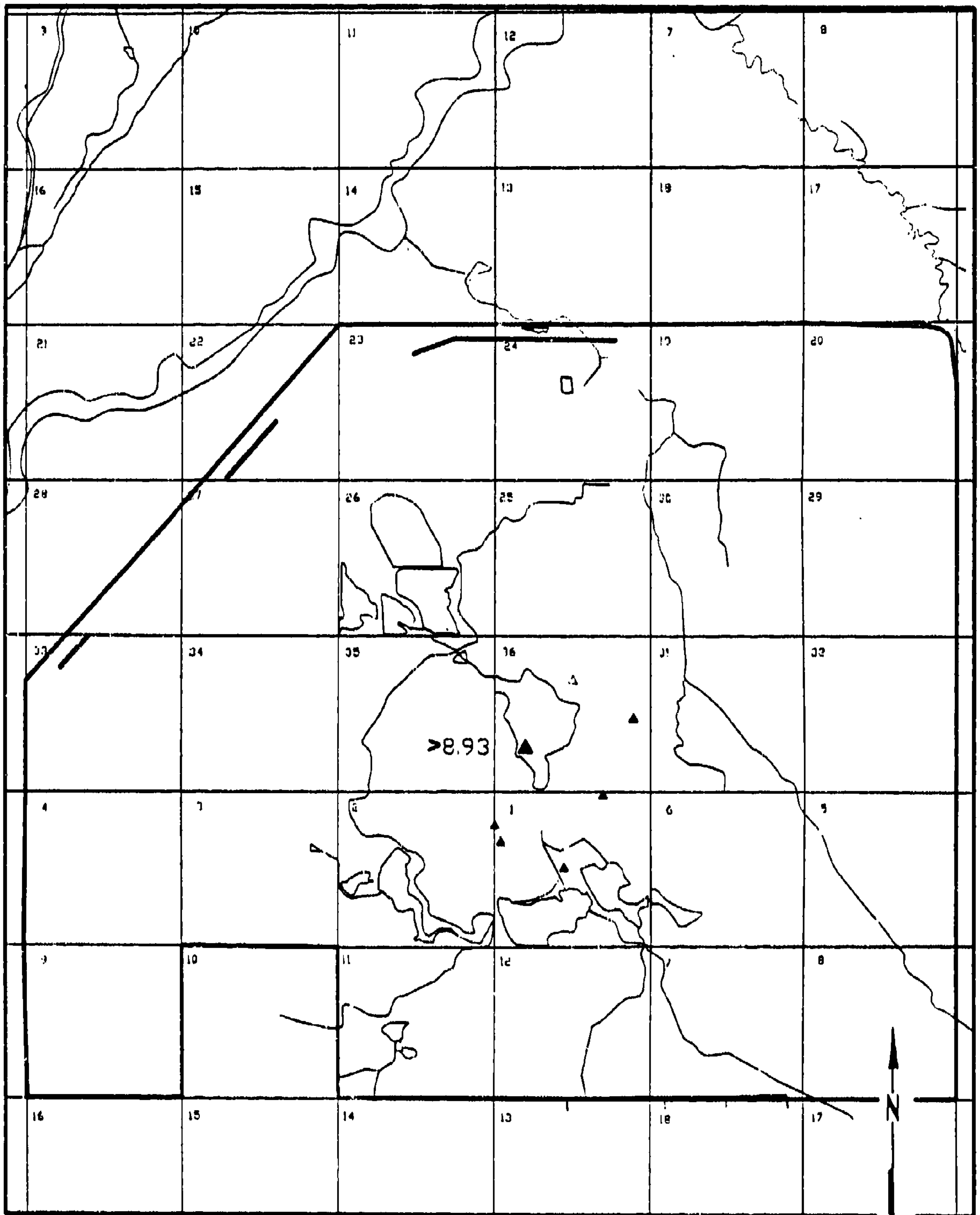


Figure D-92
TOLUENE DETECTIONS DENVER ZONE 5
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-93
M-XYLENE DETECTIONS DENVER ZONE
VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

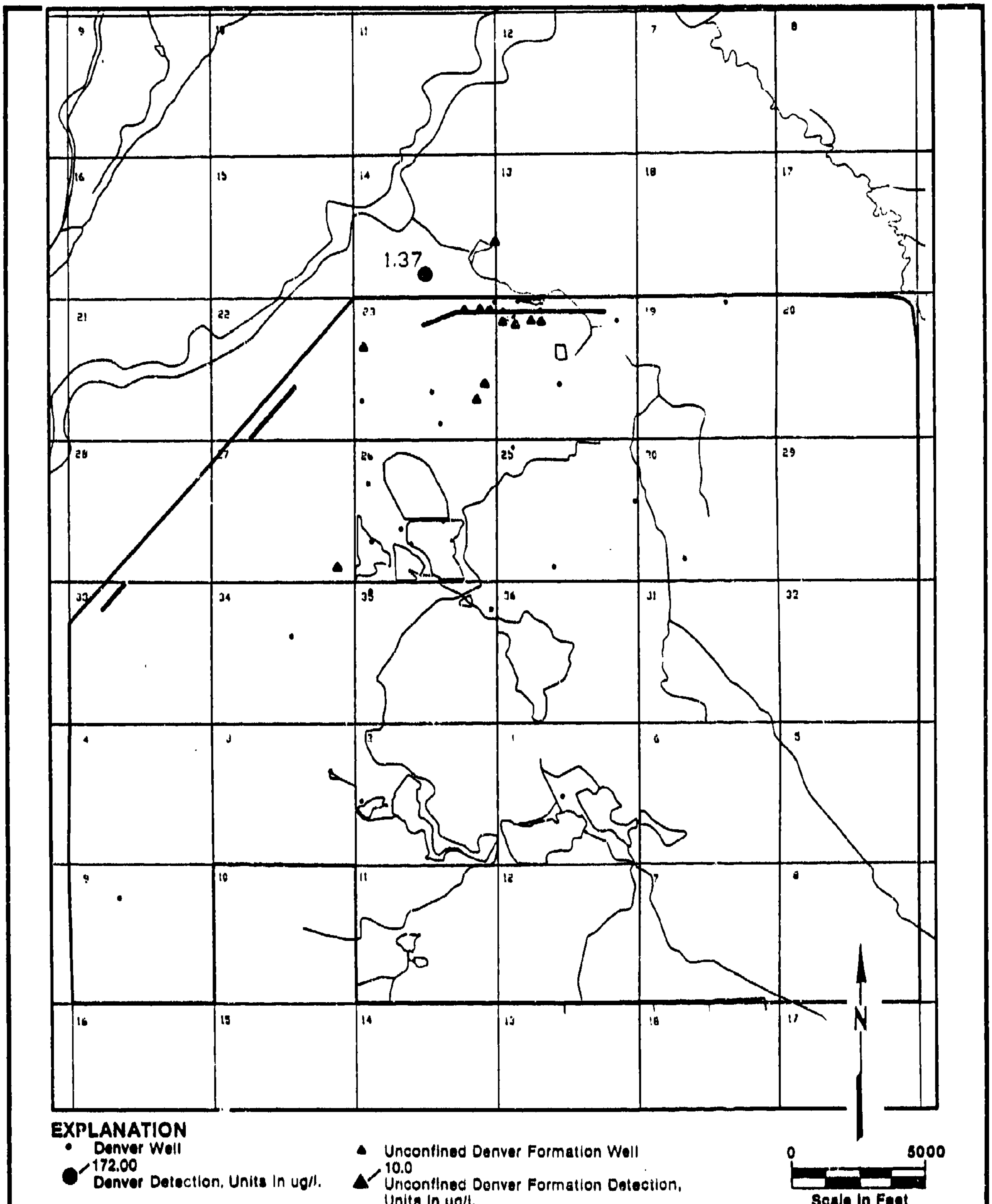
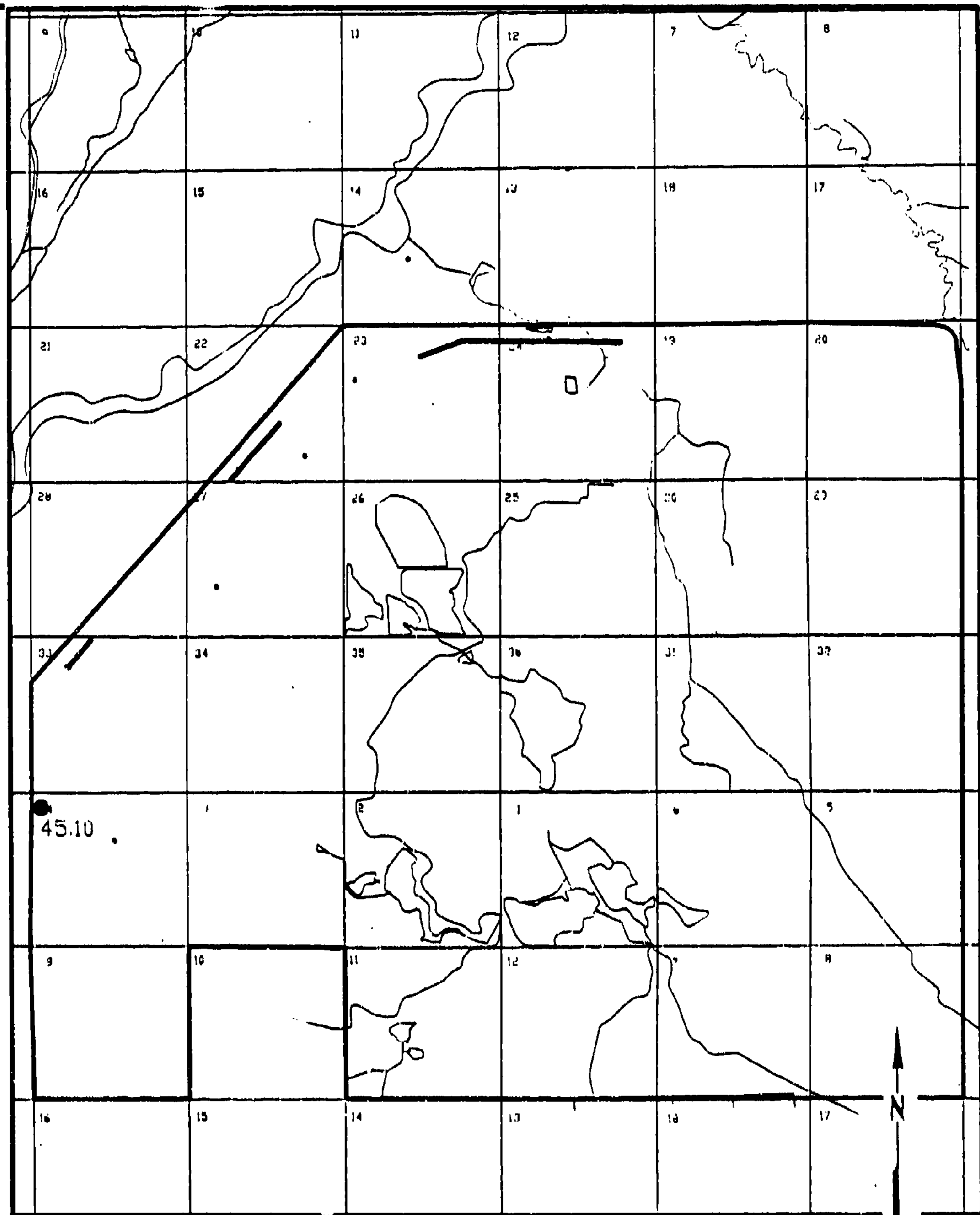


Figure D-94
M-XYLENE DETECTIONS DENVER ZONE 2
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

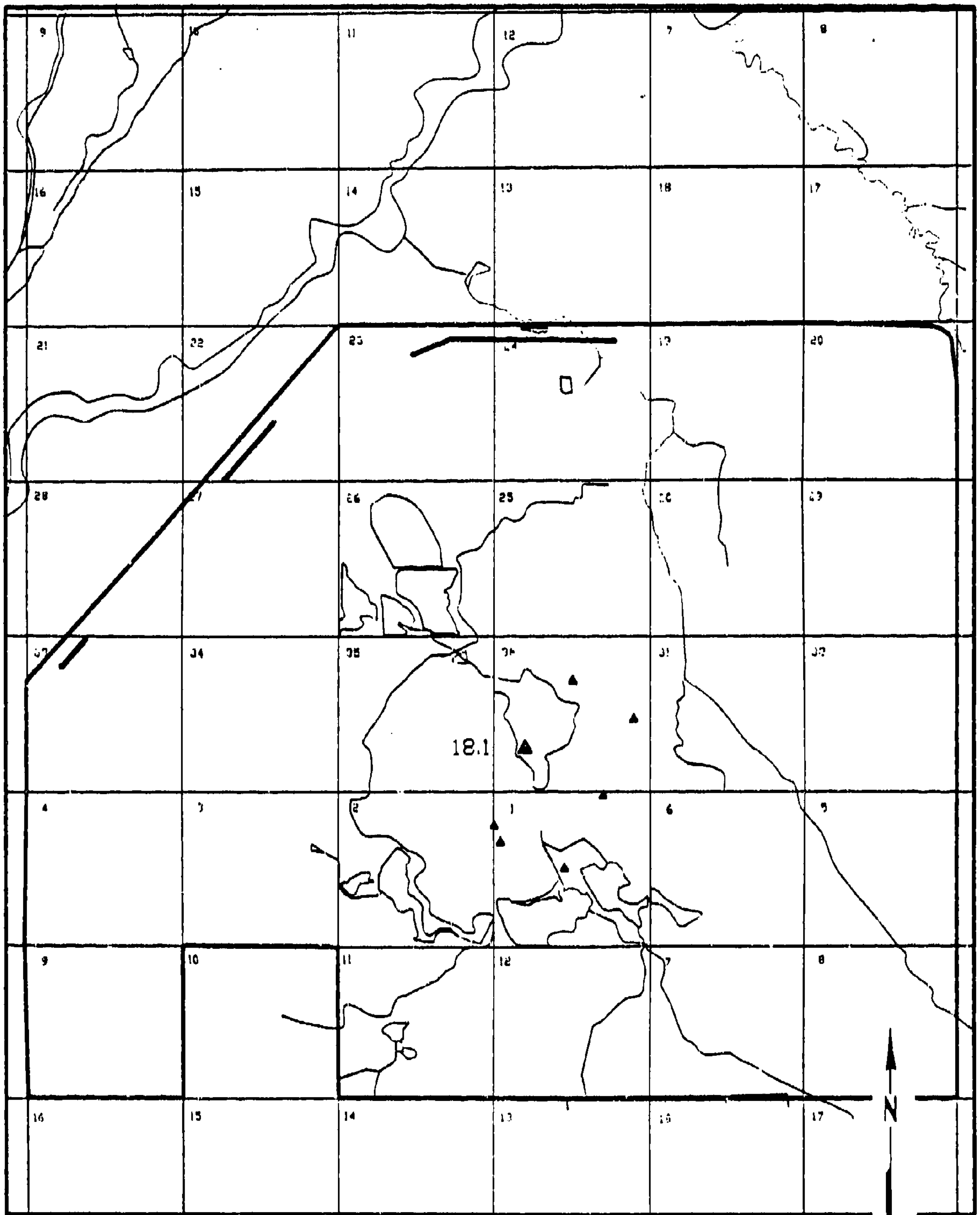
- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-95
M-XYLENE DETECTIONS DENVER ZONE 5
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-96
O,P-XYLENE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

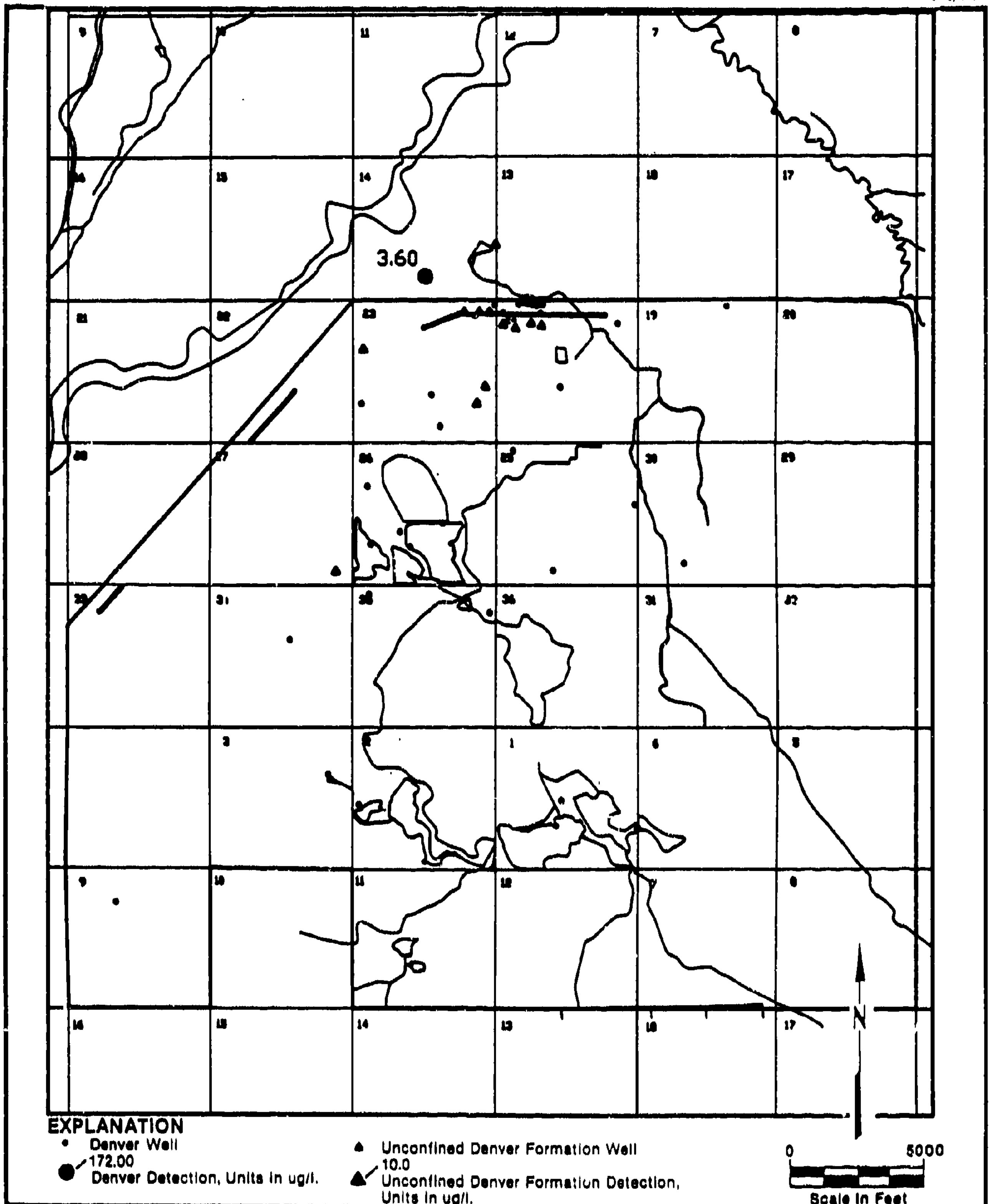
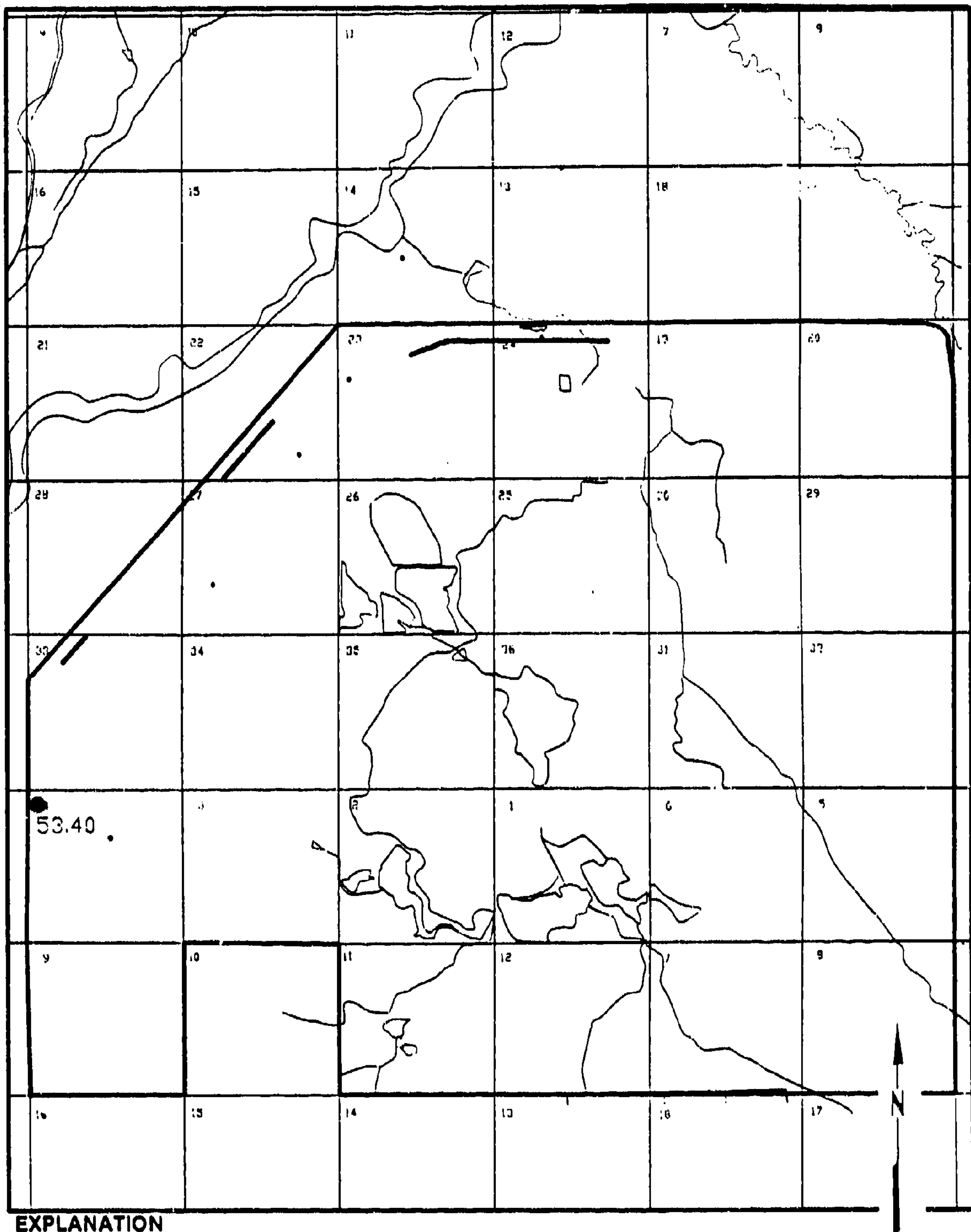


Figure D-97.
O,P-XYLENE DETECTIONS DENVER ZONE 2
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-98
O,P-XYLENE DETECTIONS DENVER ZONE 5 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

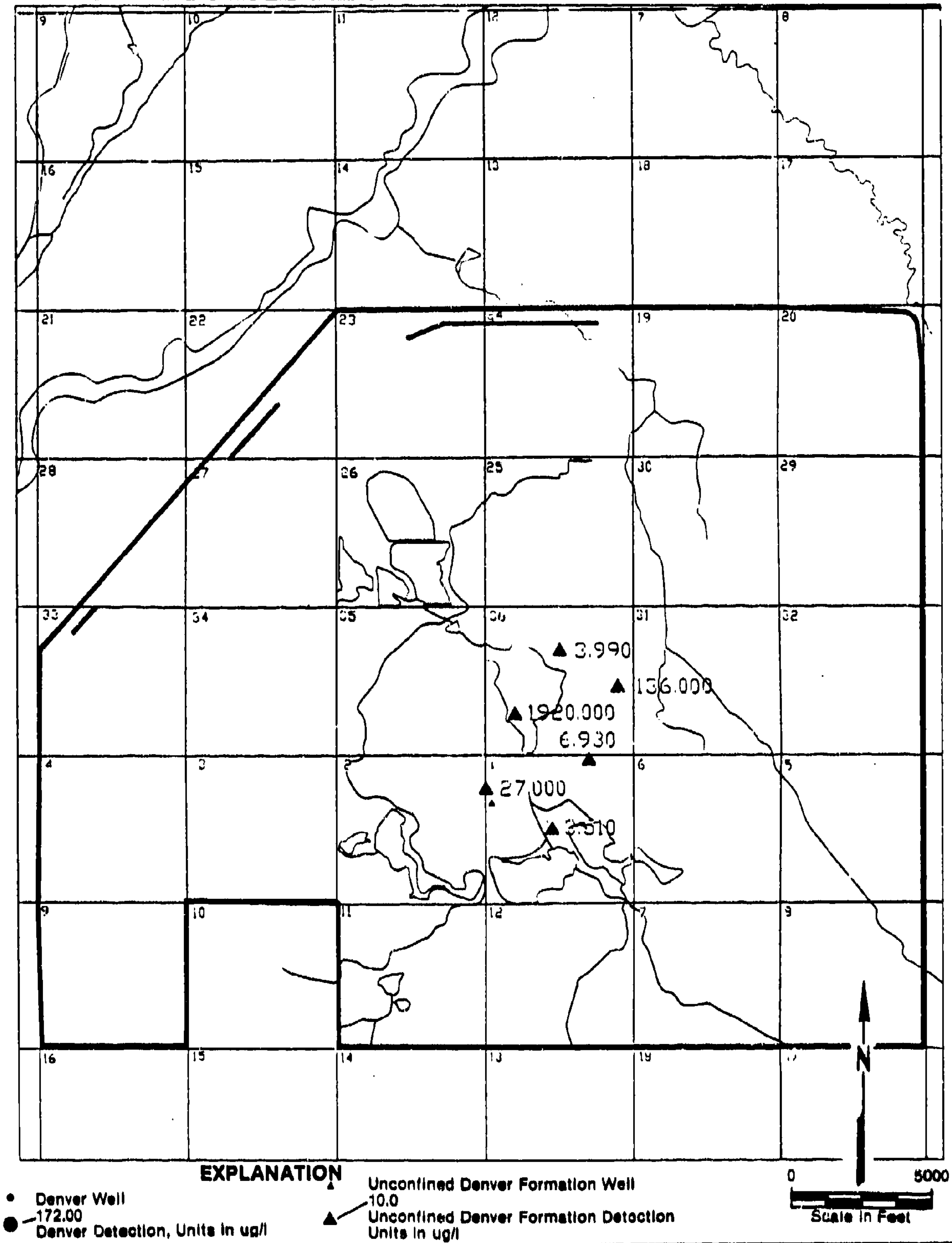


Figure D-99

CHLOROFORM DETECTIONS DENVER ZONE VC/VCE,3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

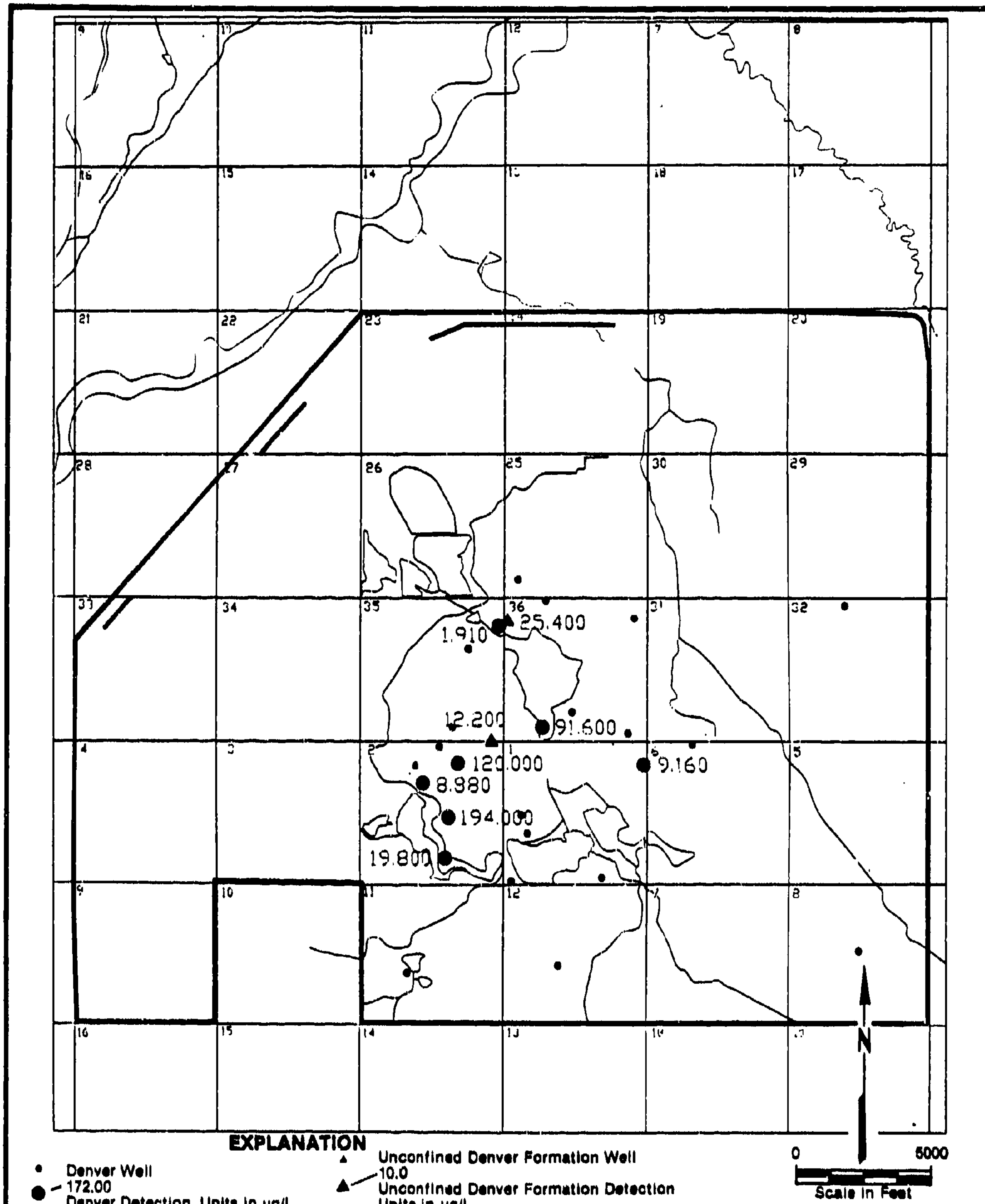


Figure D-100

CHLOROFORM DETECTIONS DENVER ZONE A, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

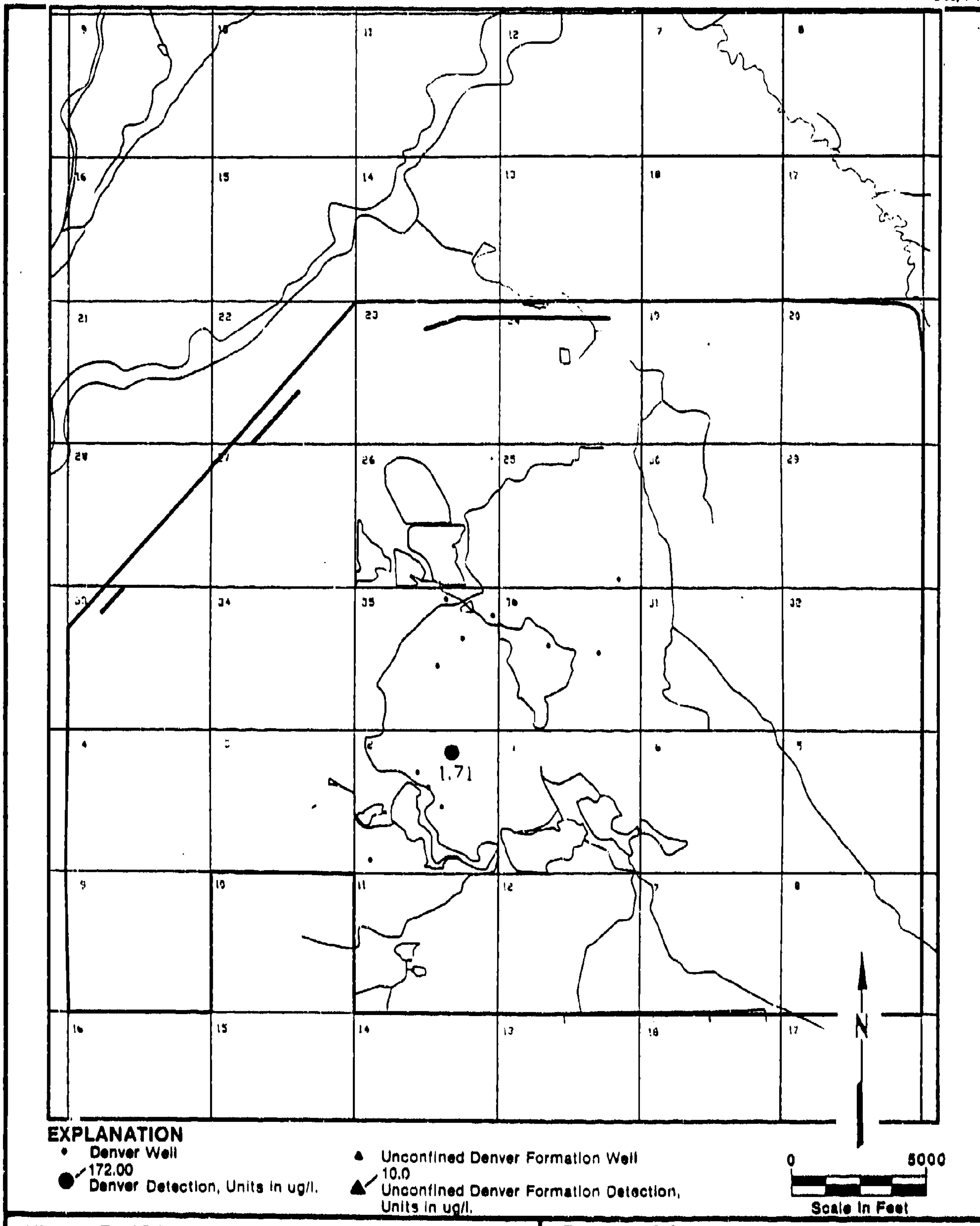
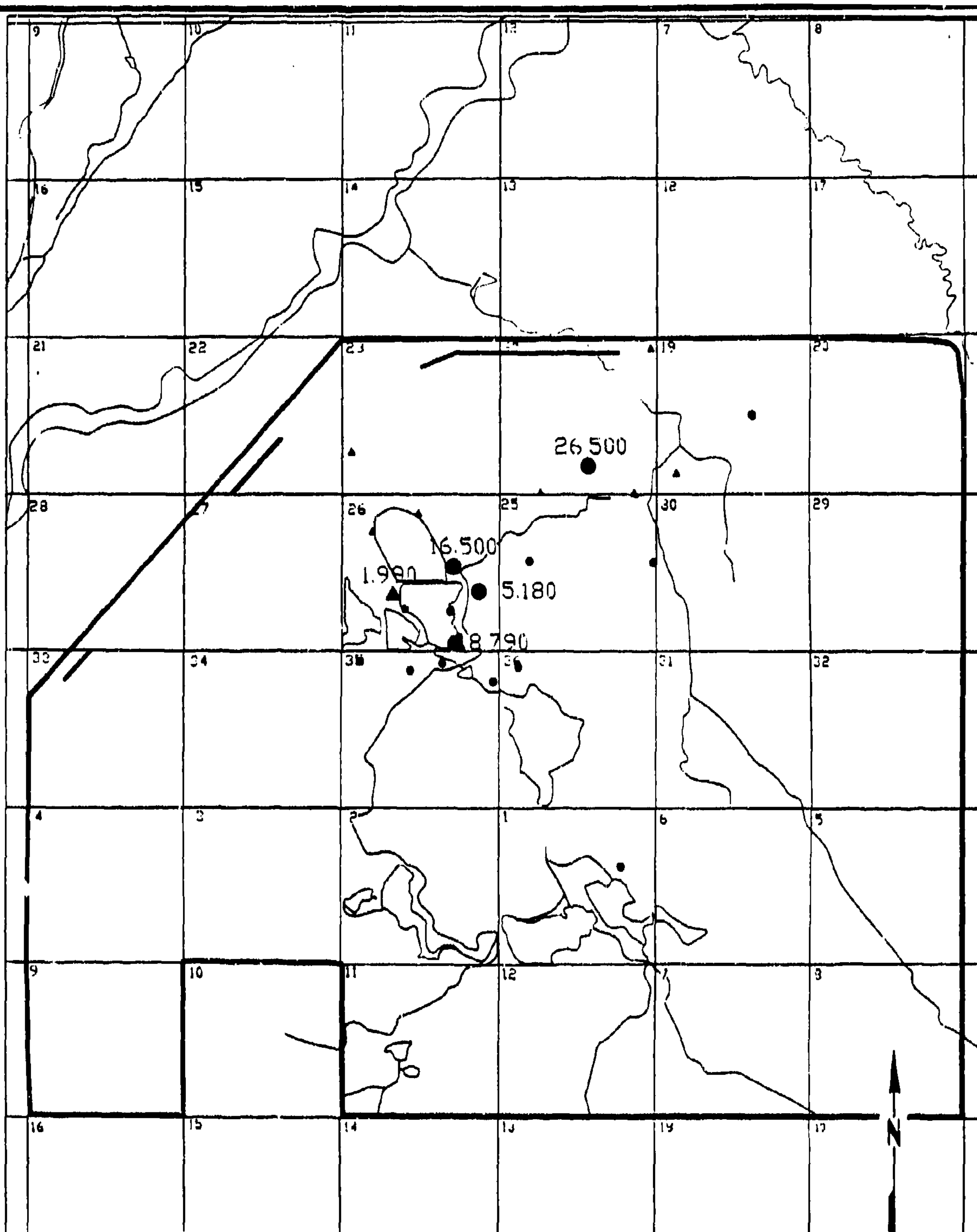


Figure D-101
CHLOROFORM DETECTIONS DENVER ZONE 1U 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection Units in ug/l

0 5000
Scale in Feet

Figure D-102

CHLOROFORM DETECTIONS DENVER ZONE 1, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

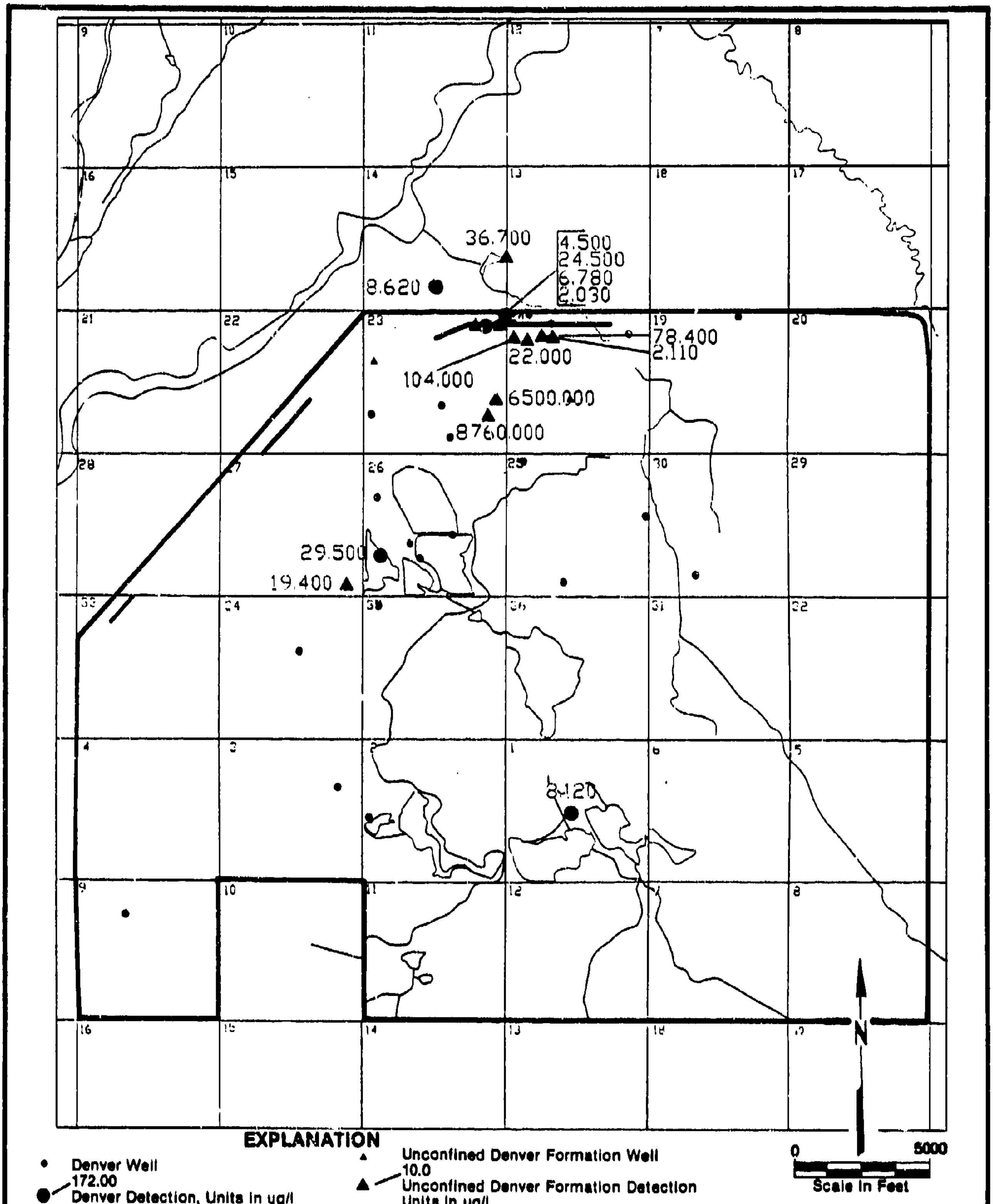
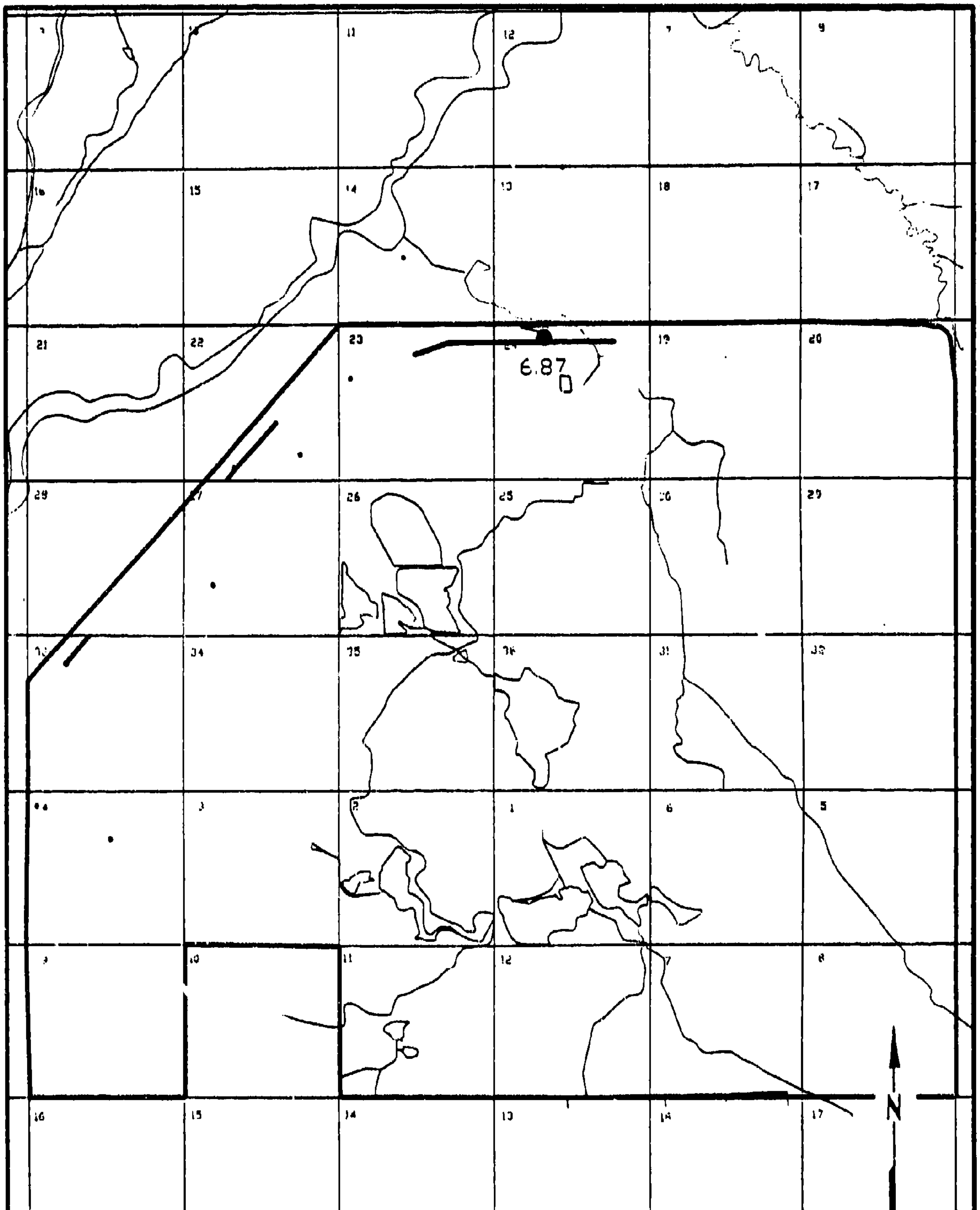


Figure D-103

CHLOROFORM DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

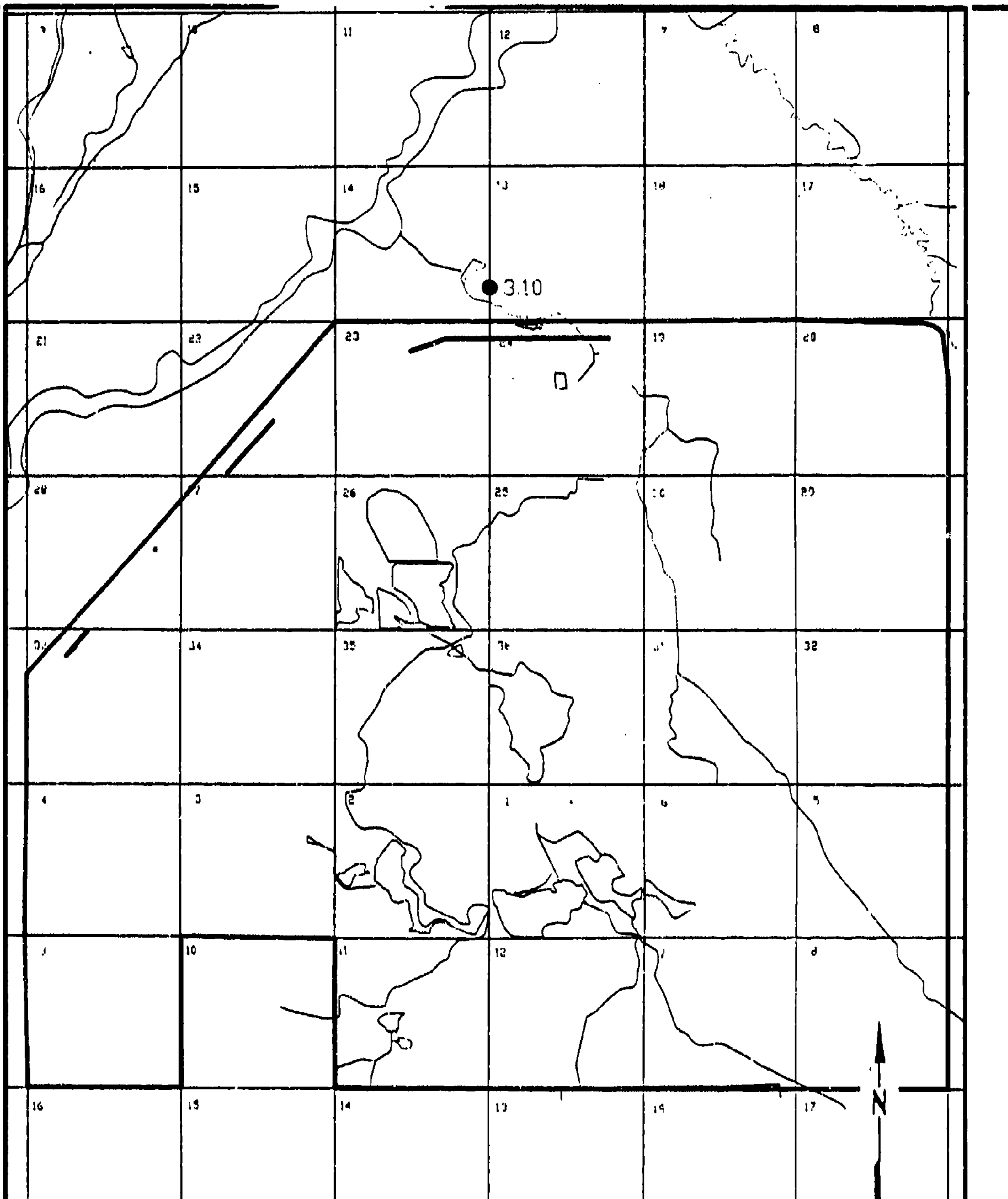
- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000 Scale in Feet

Figure D-104
CHLOROFORM DETECTIONS DENVER ZONE 5 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

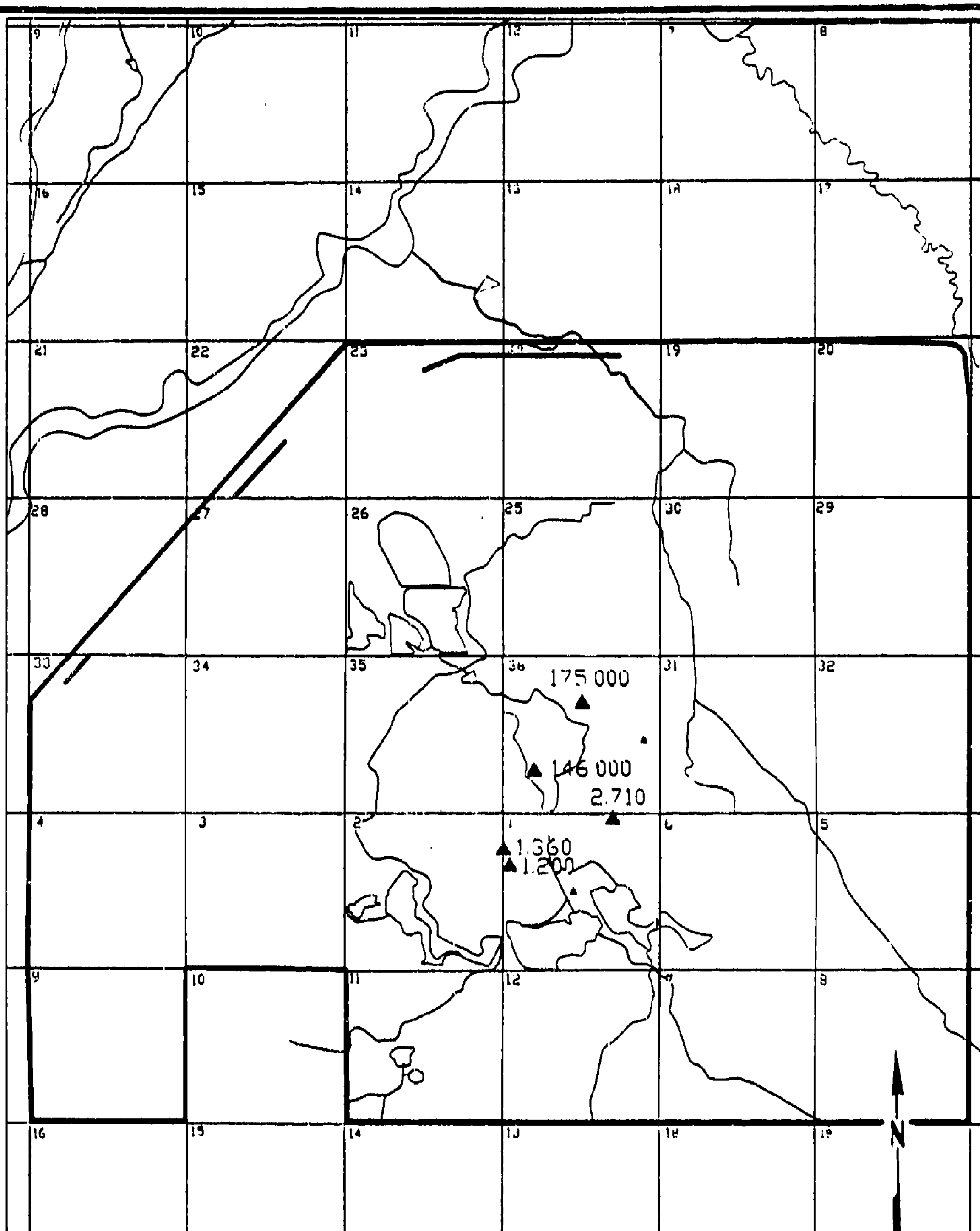
- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-105
CHLOROFORM DETECTIONS DENVER ZONE 6 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection Units in ug/l

0 5000
Scale in Feet

Figure D-106 TRICHLOROETHYLENE DETECTIONS DENVER ZONE VC/VCE, 3RD QUARTER, FY 1987 SOURCE: Hunter/ESE, 1988	**Prepared for:** **U.S. Army Program Manager's Office For Rocky Mountain Arsenal** **Aberdeen Proving Ground, Maryland**

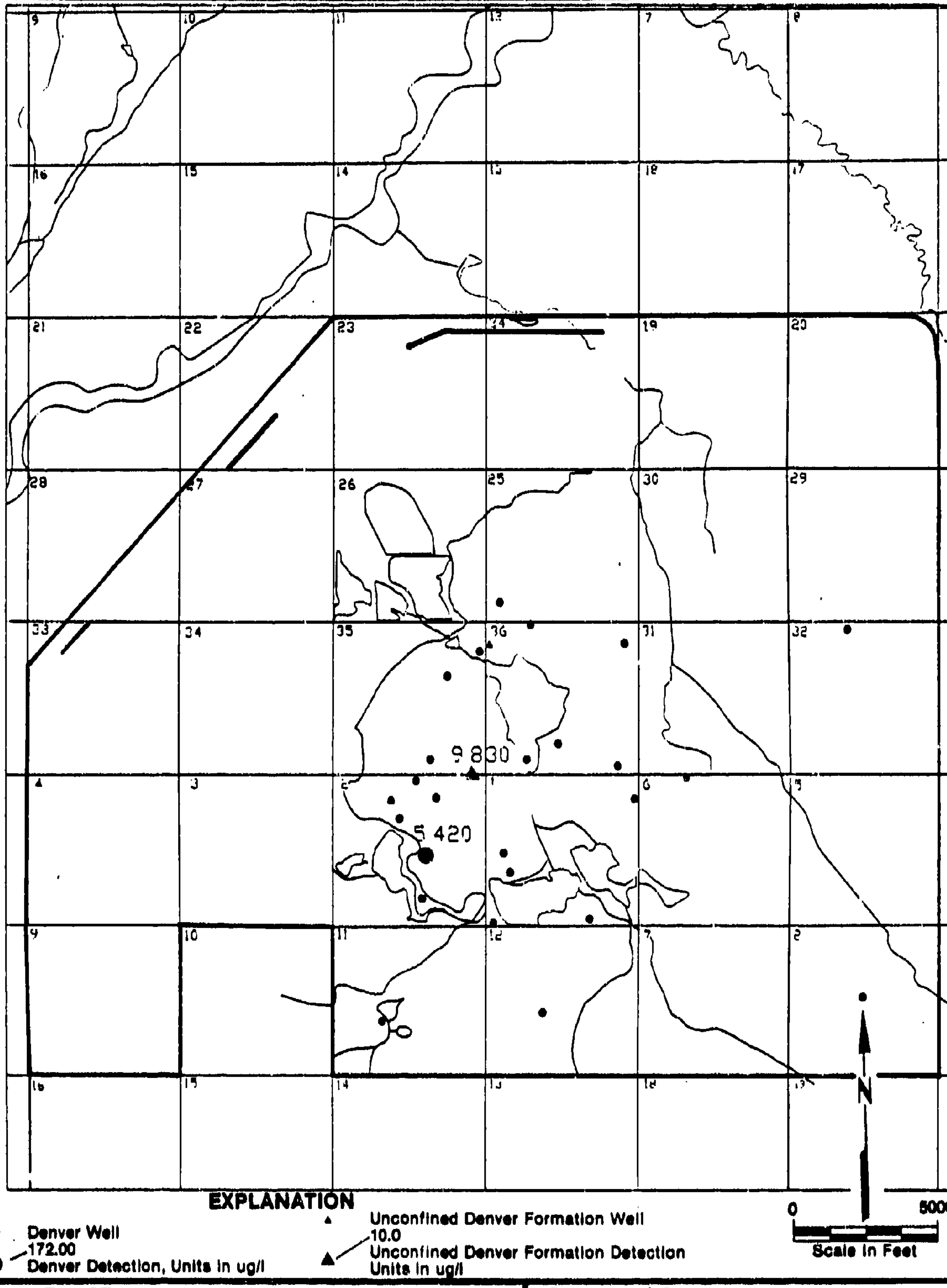


Figure D-107

TRICHLOROETHYLENE DETECTIONS DENVER ZONE A, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

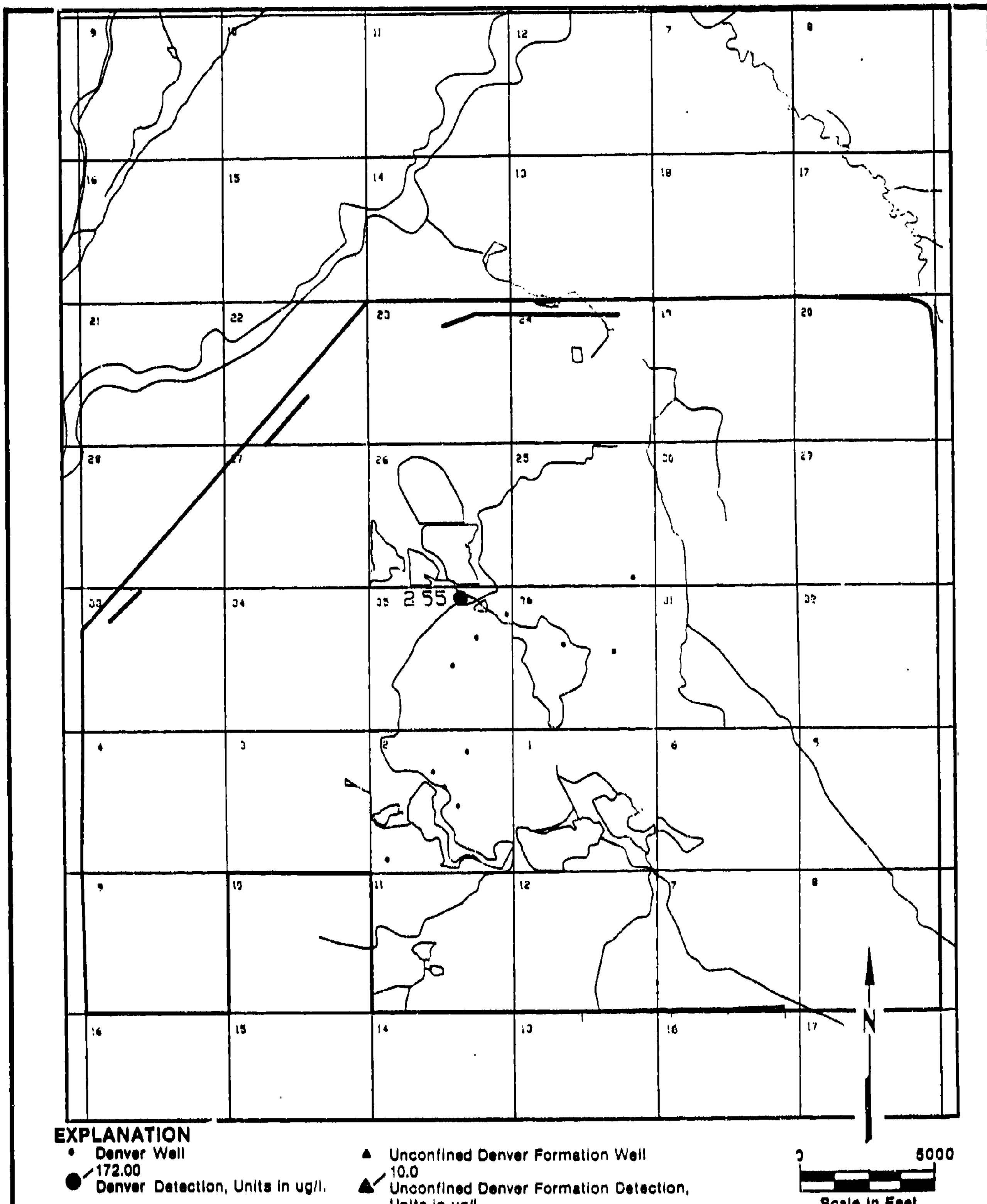
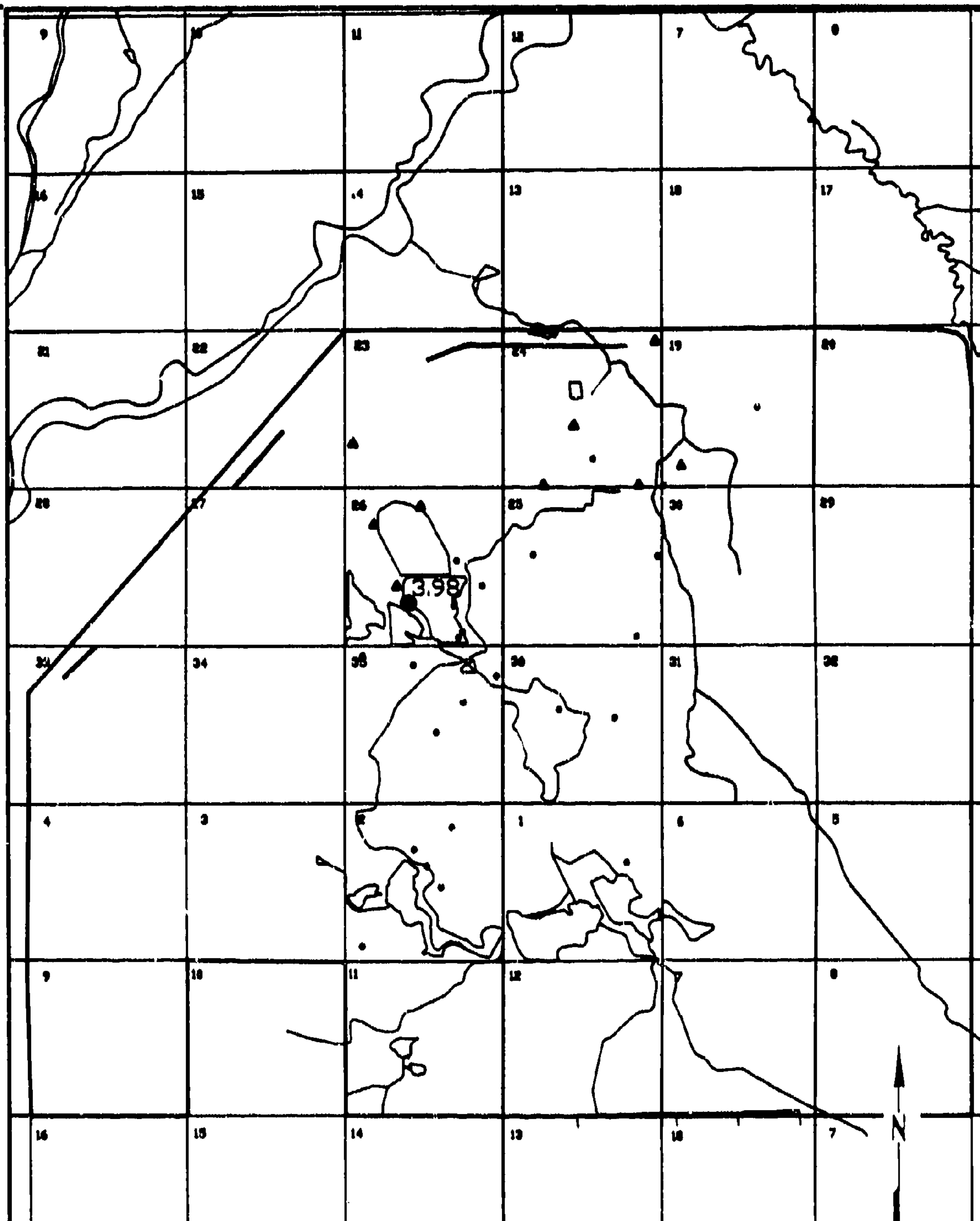


Figure D-108

TRICHLOROETHYLENE DETECTIONS DENVER ZONE 1U, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

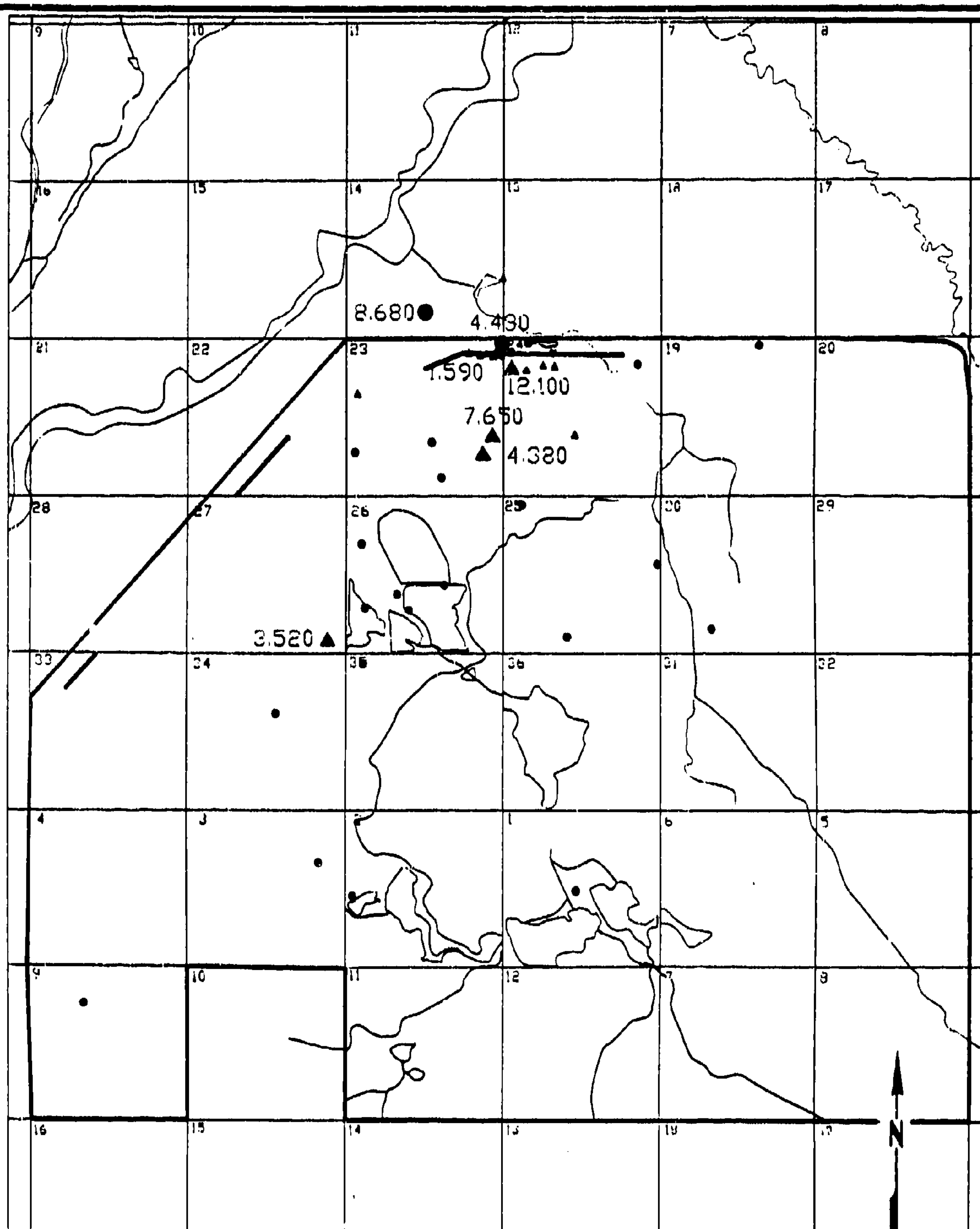


EXPLANATION

- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-109 TRICHLOROETHYLENE DETECTIONS DENVER ZONE 1, 3RD QUARTER, FY 1987 SOURCE: Hunter/ESE, 1988	Prepared for: U.S. Army Program Manager's Office For Rocky Mountain Arsenal Aberdeen Proving Ground, Maryland



EXPLANATION

• Denver Well

● —172.00 Denver Detection, Units in ug/l

▲ Unconfined Denver Formation Well

▲ —10.0 Unconfined Denver Formation Detection Units in ug/l

Figure D-110

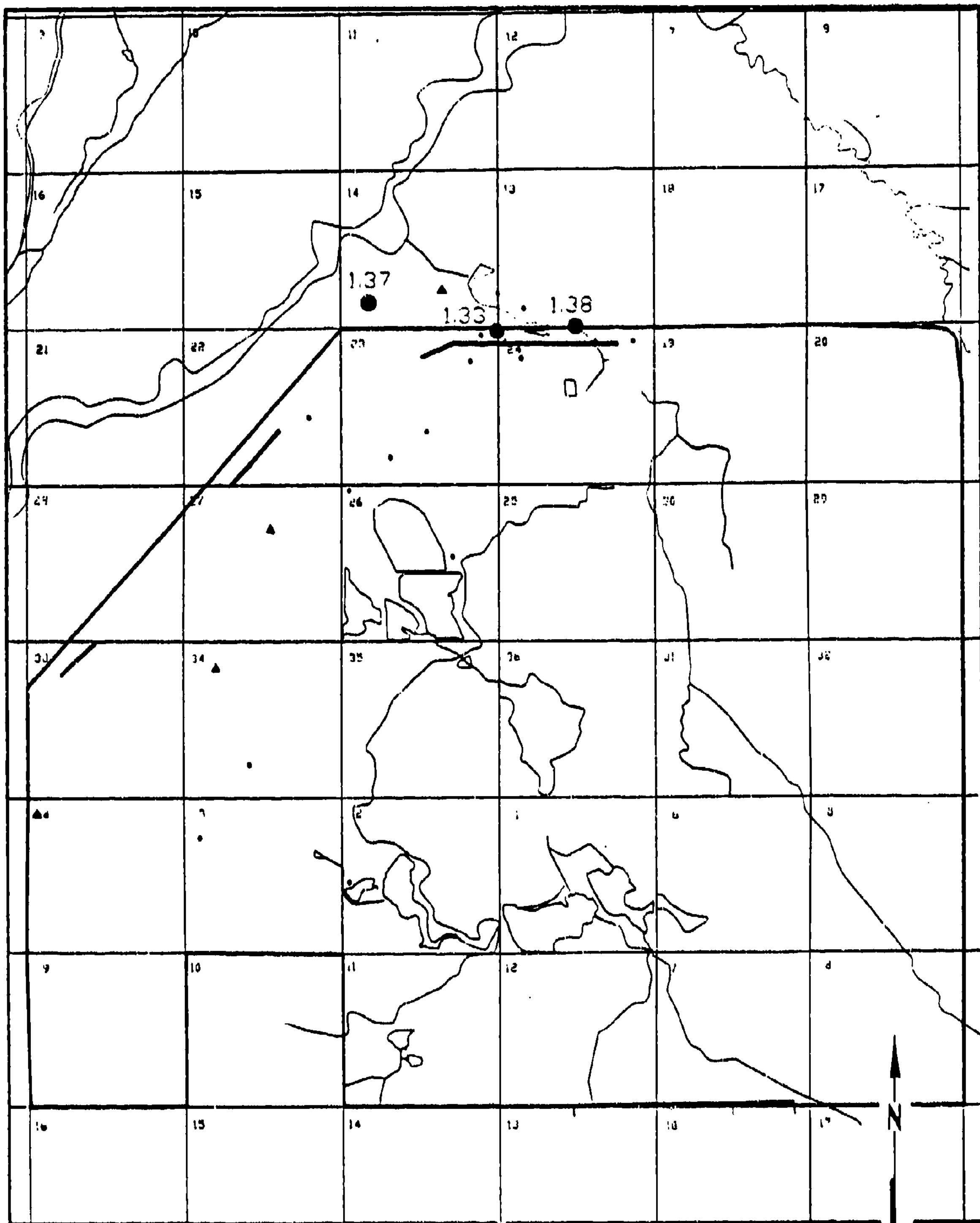
TRICHLOROETHYLENE DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000

Scale in Feet

Figure D-111

TRICHLOROETHYLENE DETECTIONS DENVER ZONE 3, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

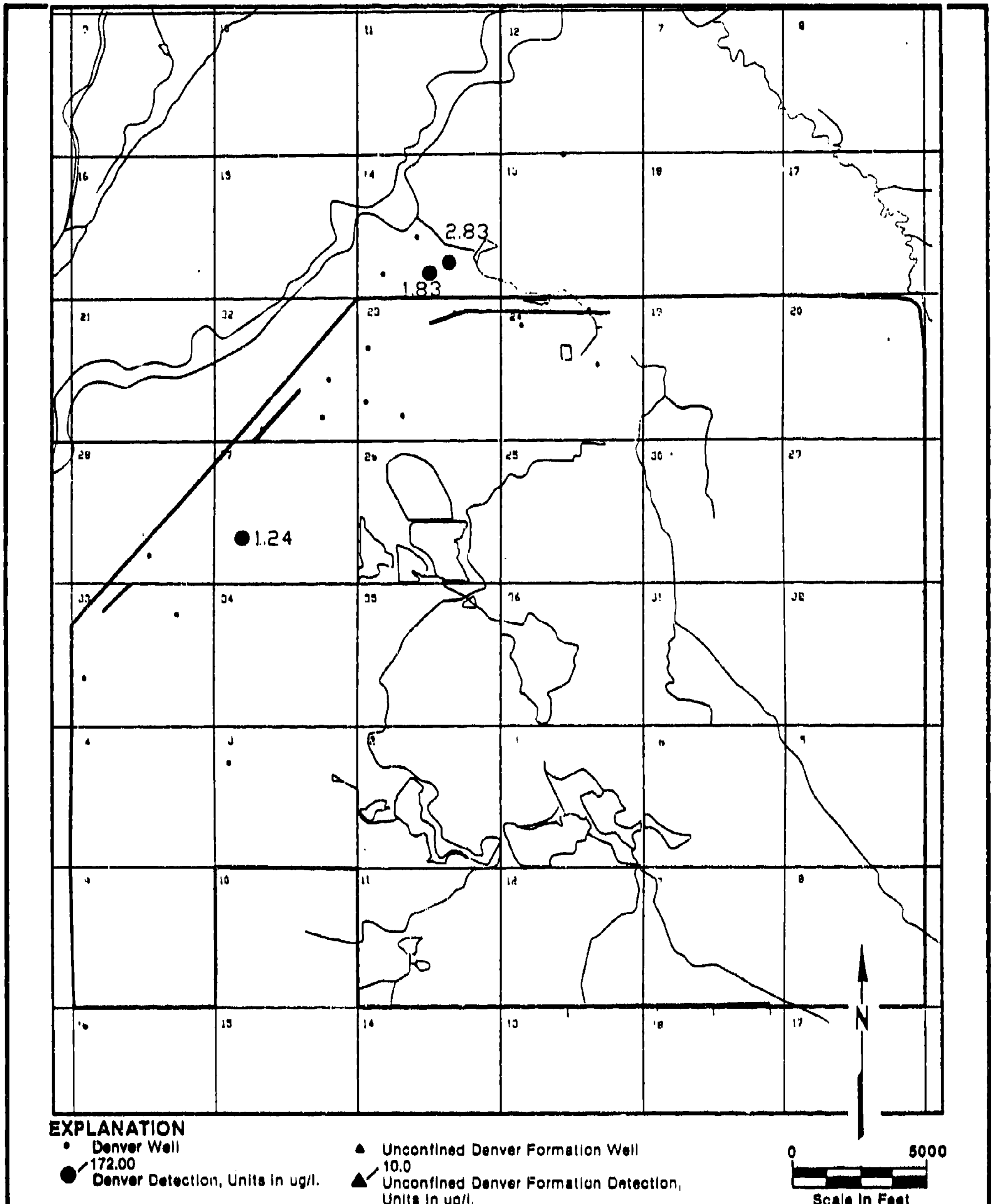


Figure D-112

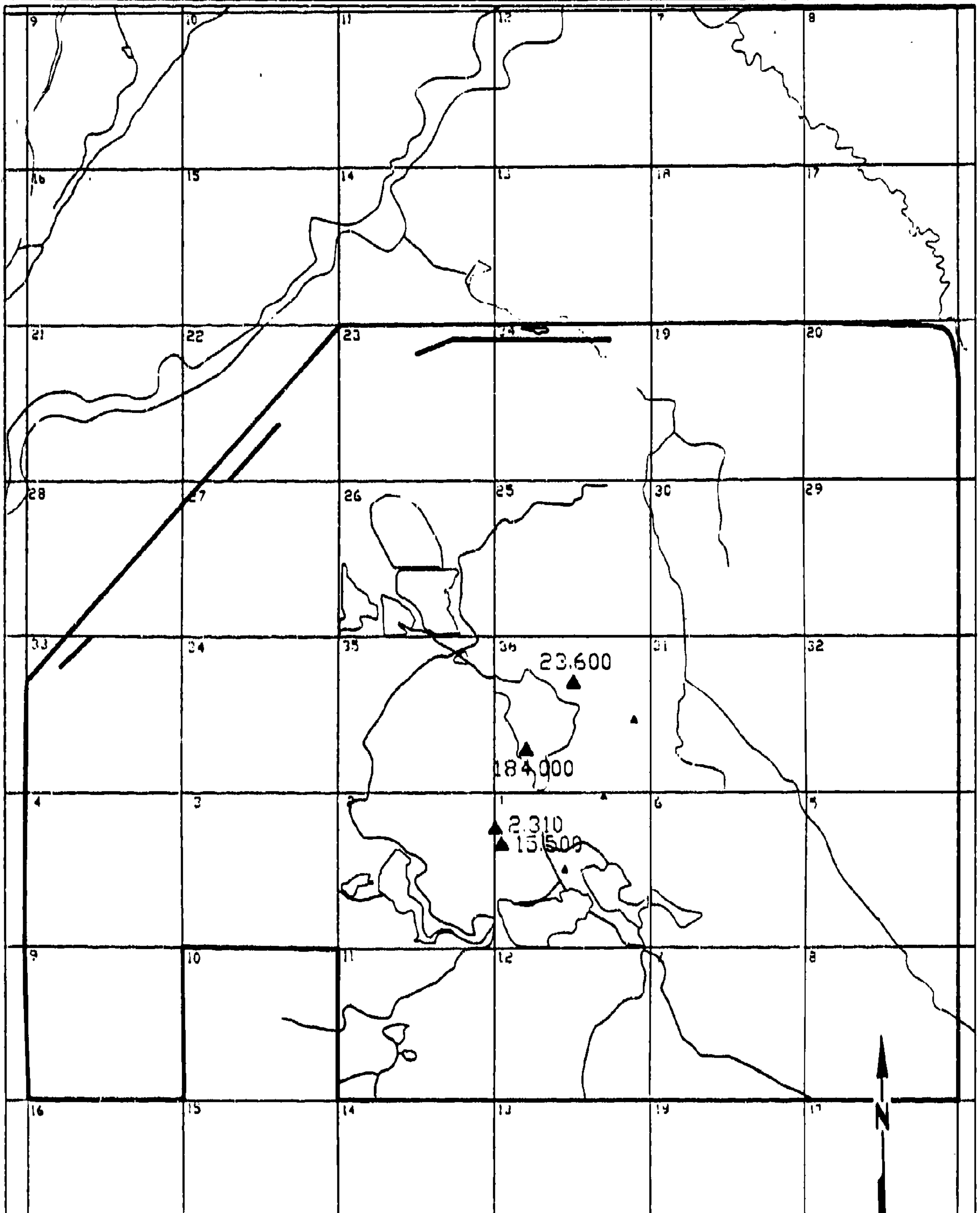
TRICHLOROETHYLENE DETECTIONS DENVER ZONE 4, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



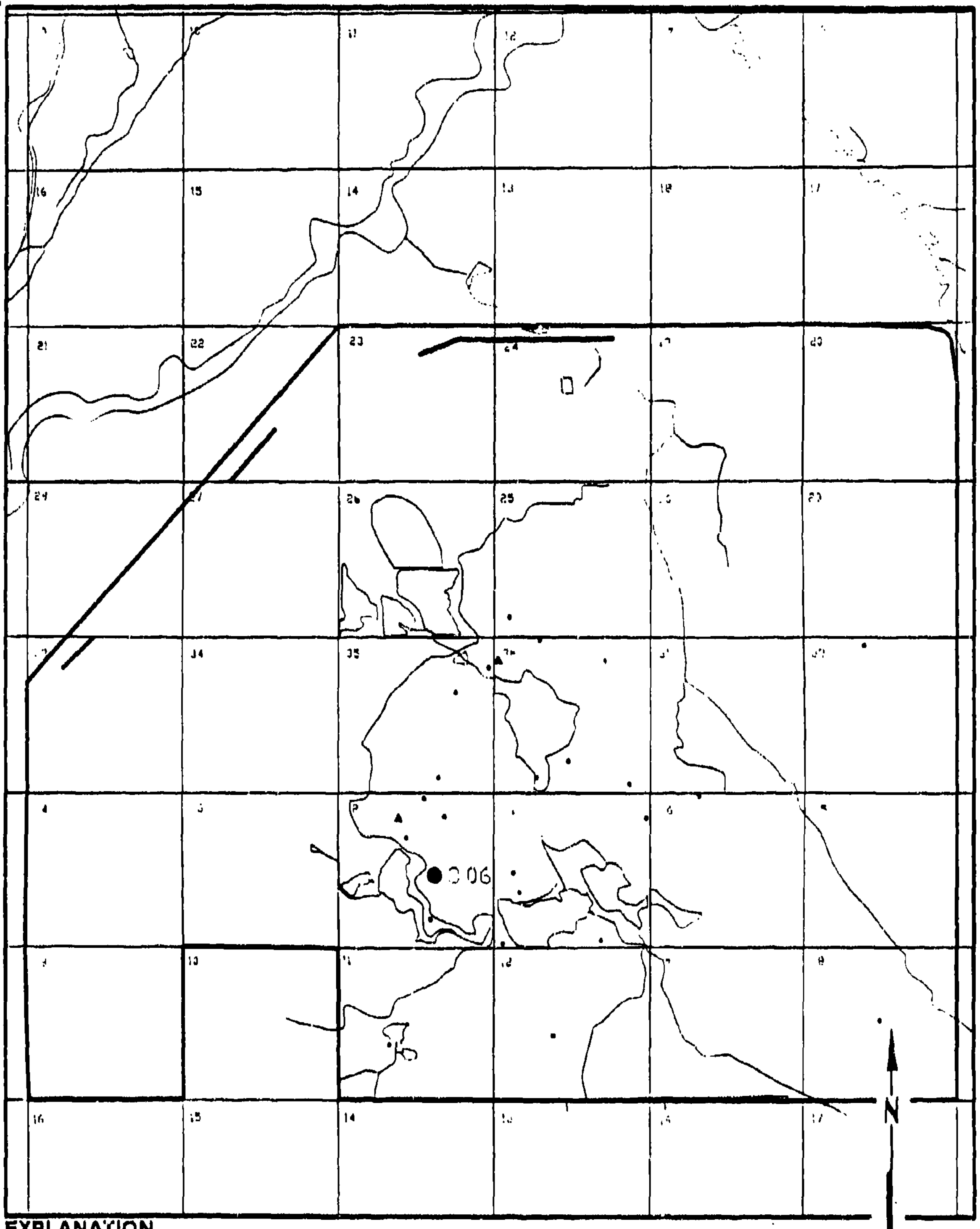
EXPLANATION

- • Denver Well
- 172.00 ● Denver Detection, Units in ug/l
- ▲ Unconfined Denver Formation Well
- 10.0 ▲ Unconfined Denver Formation Detection Units in ug/l

Figure D-113
TETRACHLOROETHYLENE DETECTIONS DENVER ZONE VC/VCE, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-114

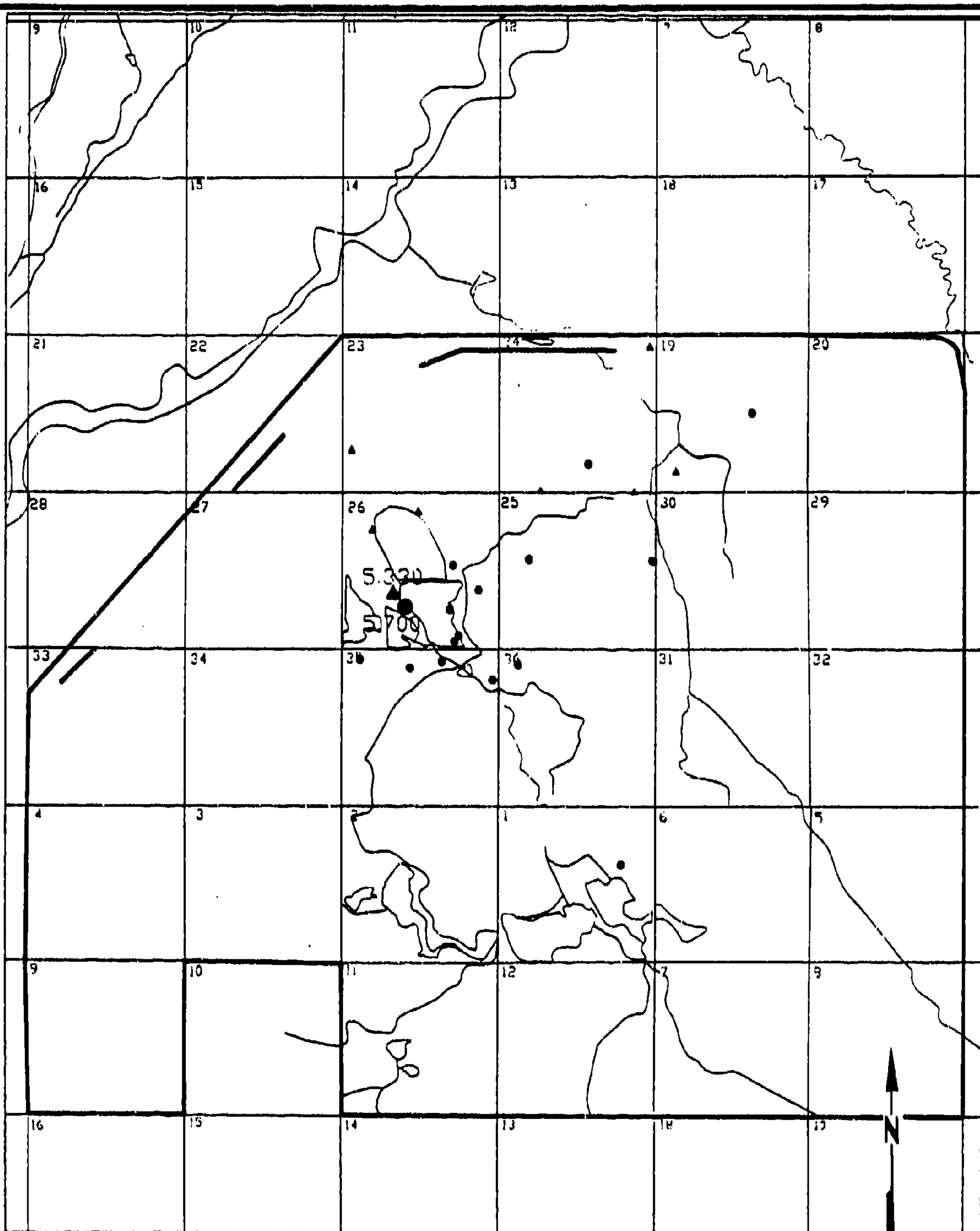
TETRACHLOROETHYLENE DETECTIONS DENVER ZONE A, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection Units in ug/l

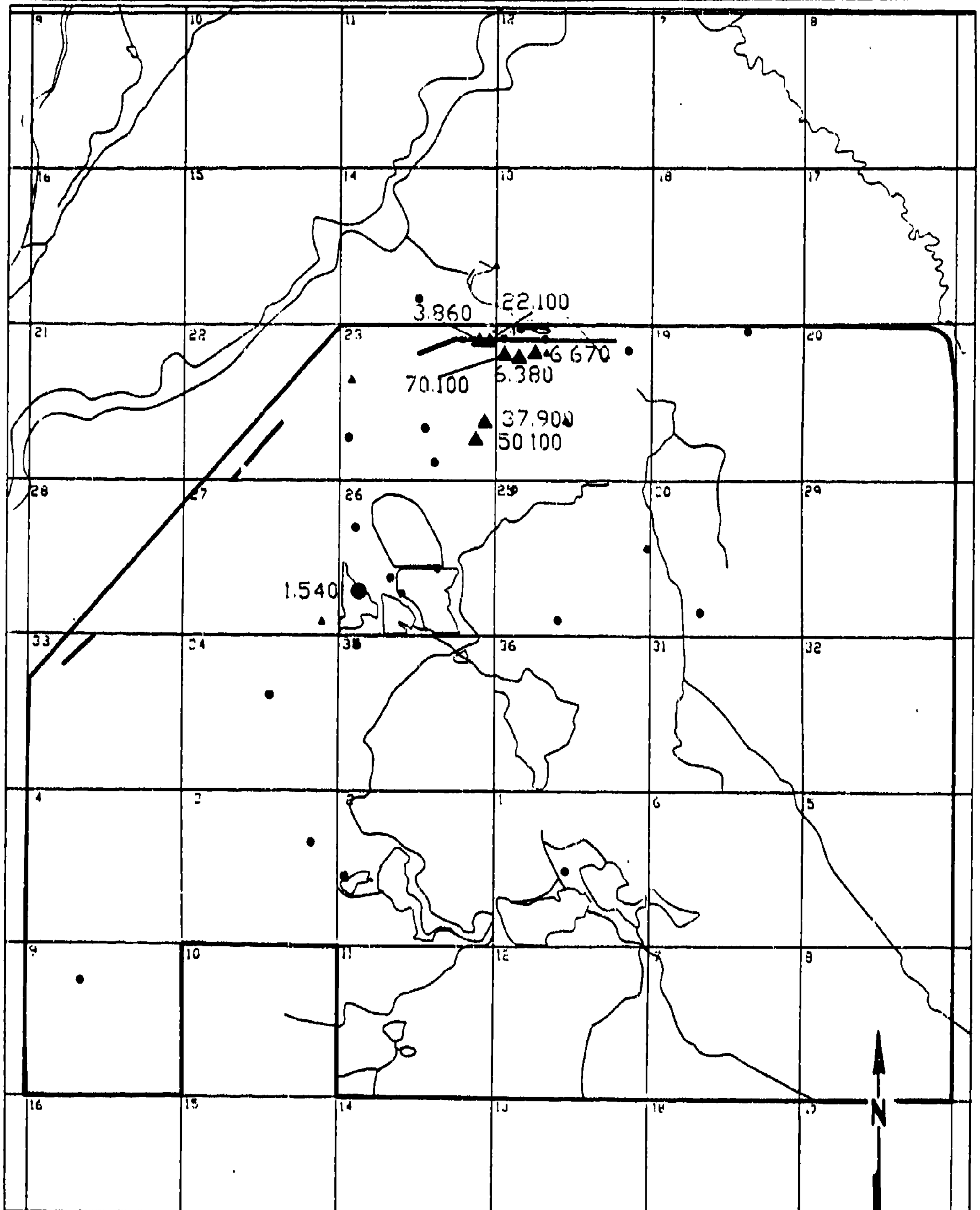
0 5000
Scale in Feet

Figure D-115

TETRACHLOROETHYLENE DETECTIONS
DENVER ZONE 1, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

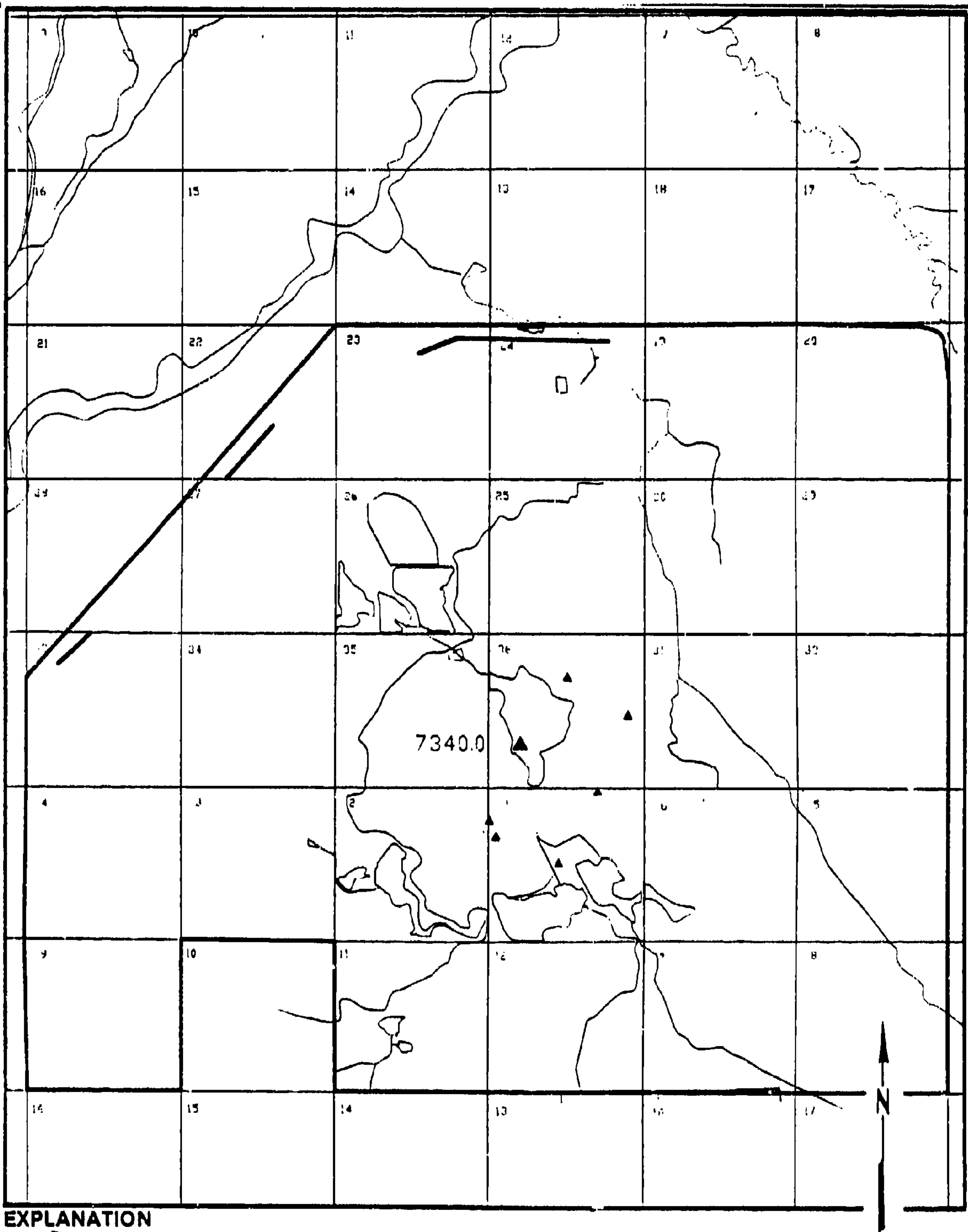
- Denver Well
- 172.00 Denver Detection, Units in ug/l
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection Units in ug/l

Figure D-116

TETRACHLOROETHYLENE DETECTIONS
DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-117 METHYLENE CHLORIDE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY1987 SOURCE: Hunter/ESE, 1988	**Prepared for:** **U.S. Army Program Manager's Office** **For Rocky Mountain Arsenal** **Aberdeen Proving Ground, Maryland**

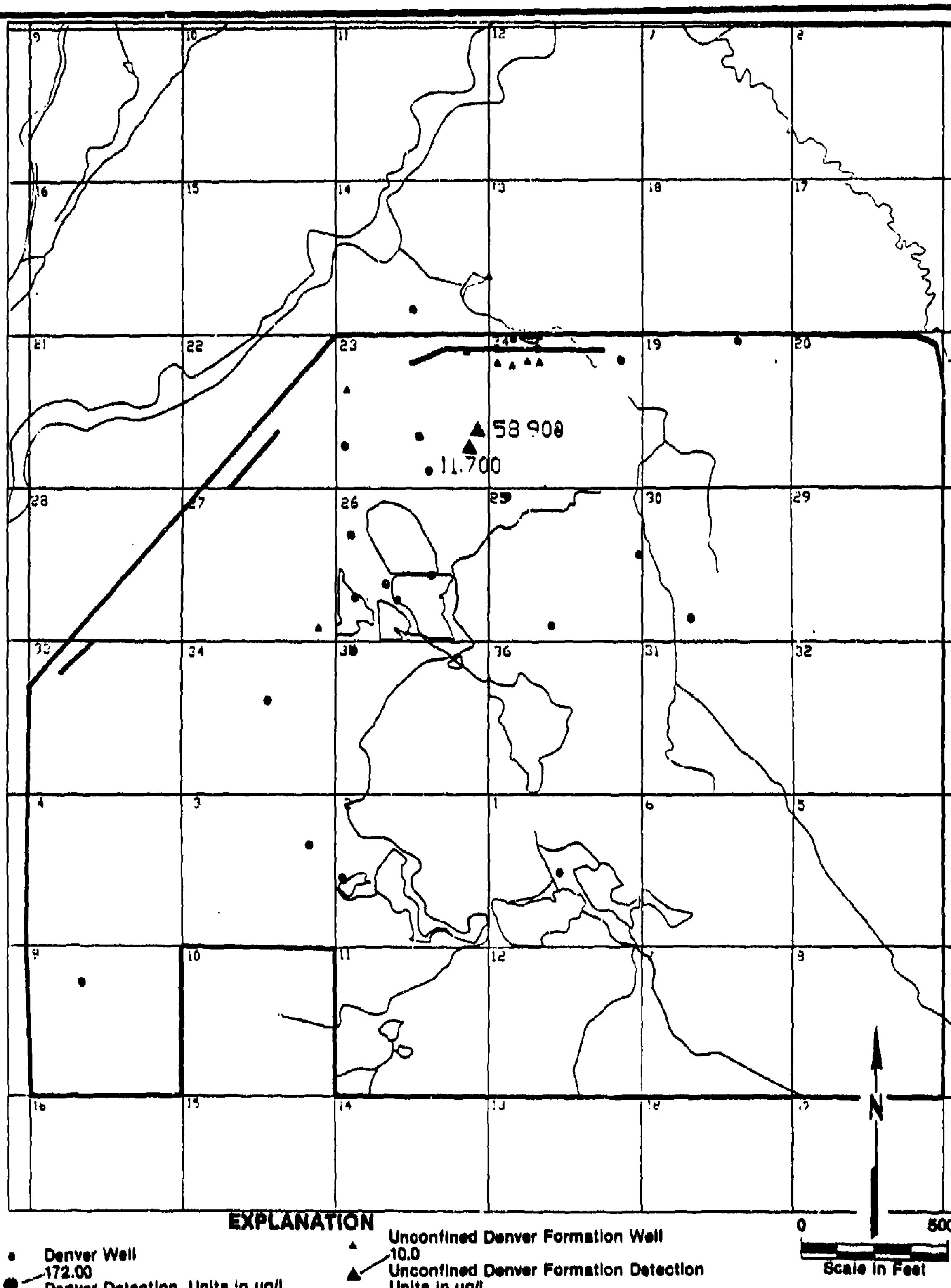
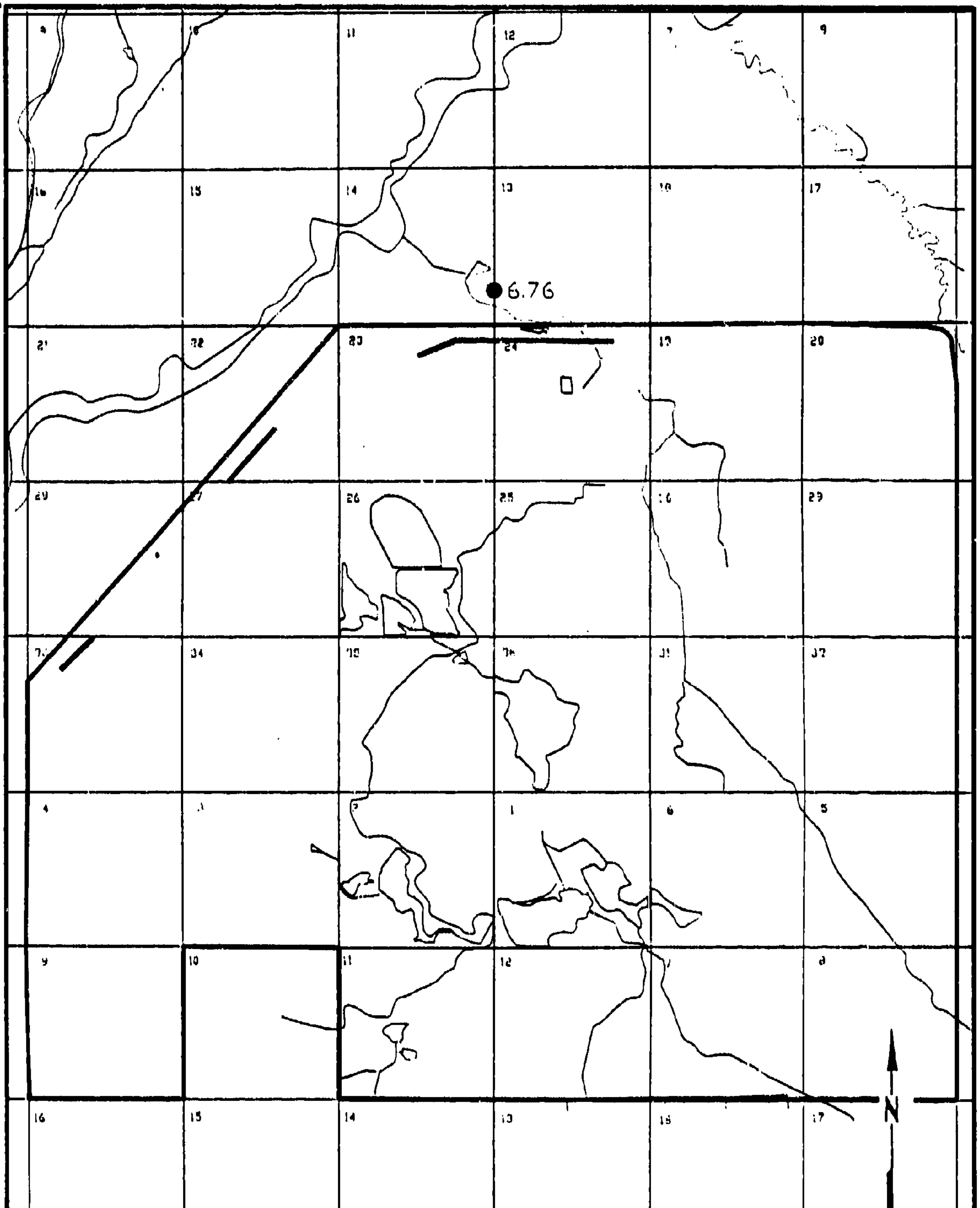


Figure D-118

METHYLENE CHLORIDE DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



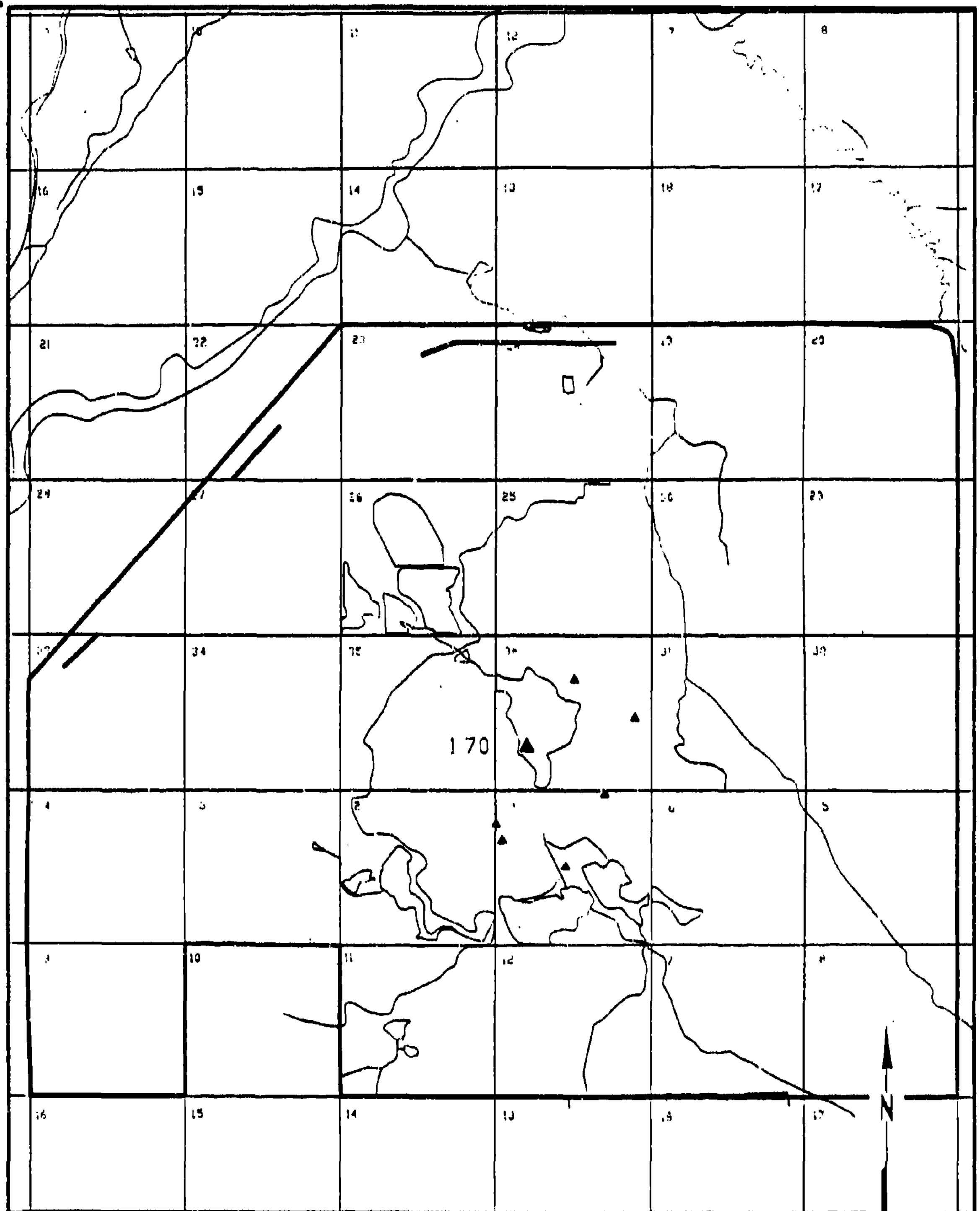
EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-119 **METHYLENE CHLORIDE DETECTIONS DENVER ZONE 6 3RD QUARTER FY 1987** SOURCE: Hunter/ESE, 1988	**Prepared for:** **U.S. Army Program Manager's Office For Rocky Mountain Arsenal** **Aberdeen Proving Ground, Maryland**

5-88, T 44



EXPLANATION

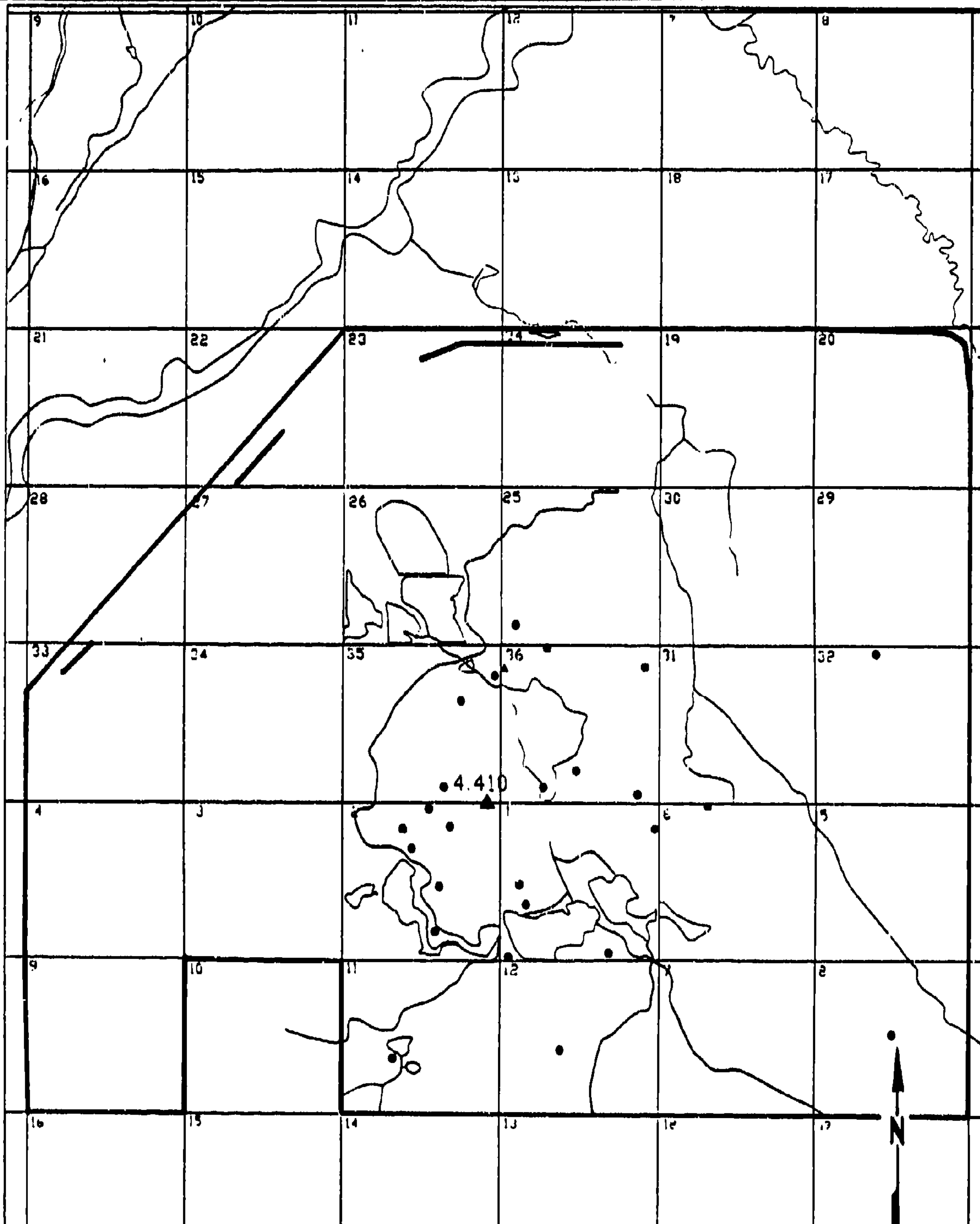
- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-120
1,1 DICHLOROETHENE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

• Denver Well

● —172.00 Denver Detection, Units in ug/l

▲ Unconfined Denver Formation Well

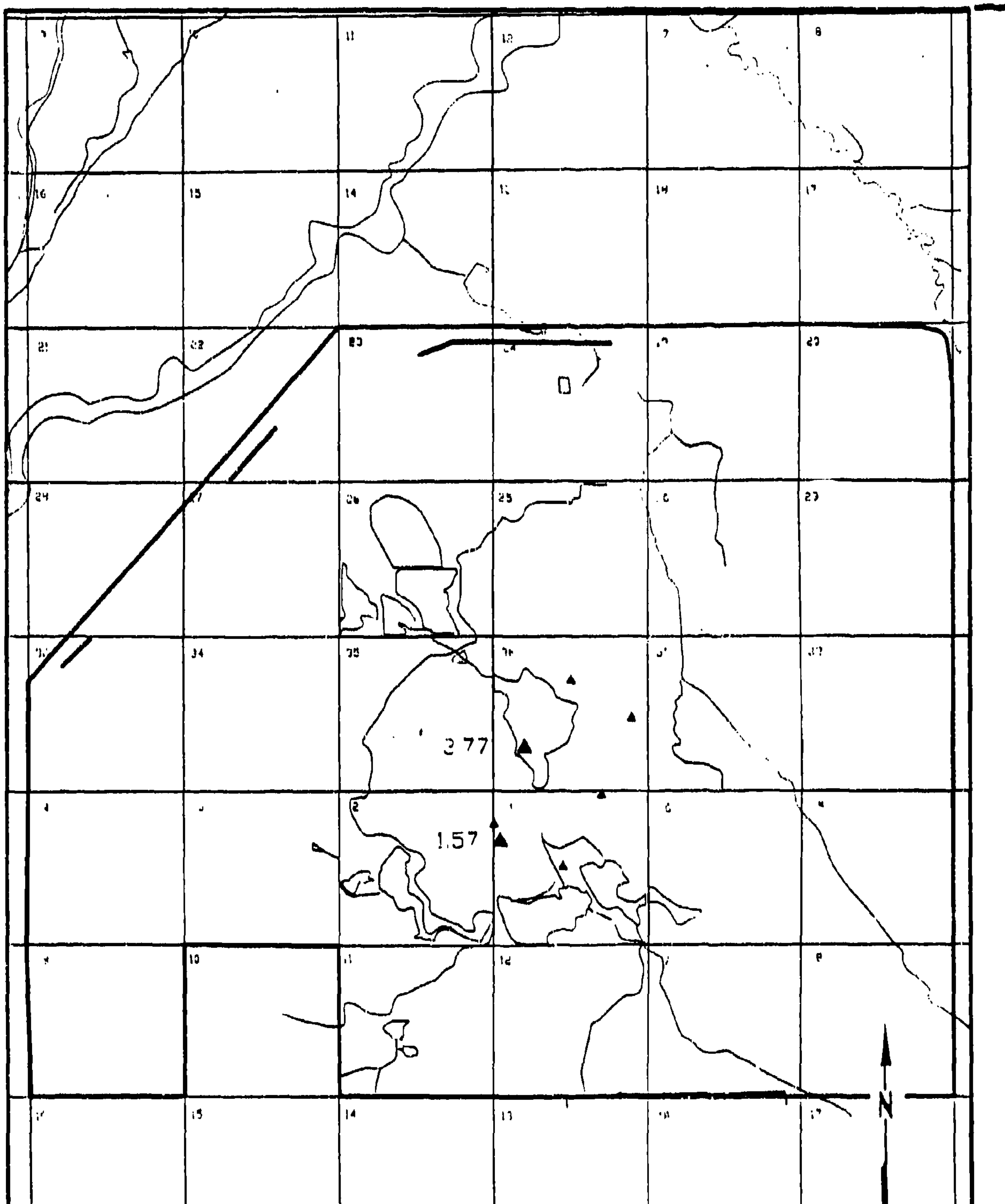
▲ —10.0 Unconfined Denver Formation Detection Units in ug/l

Figure D-121

1,1-DICHLOROETHENE DETECTIONS DENVER ZONE A, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-122
1,1 DICHLOROETHANE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

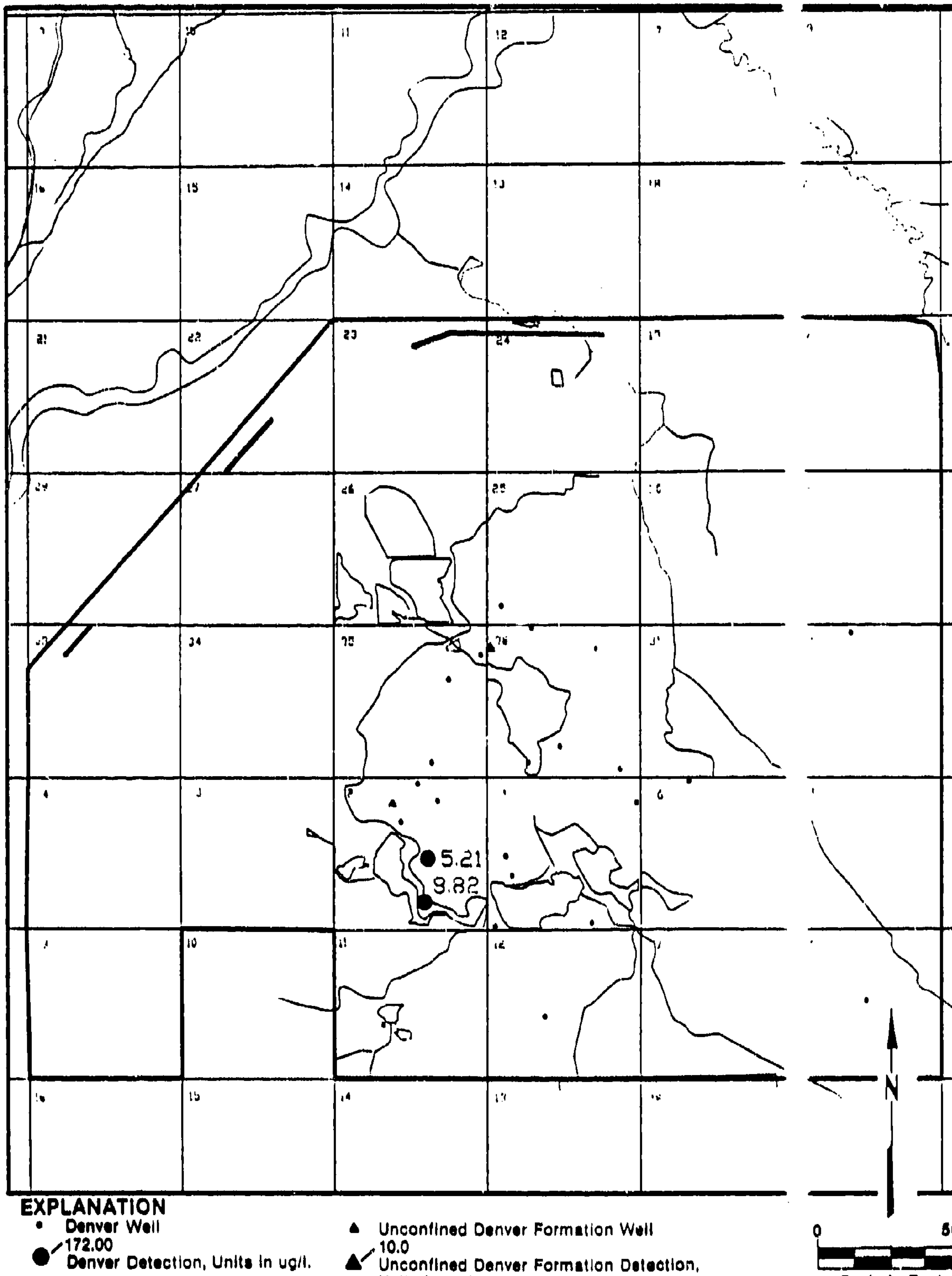


Figure D-123
1,1 DICHLOROETHANE DETECTIONS DENVER ZONE A 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

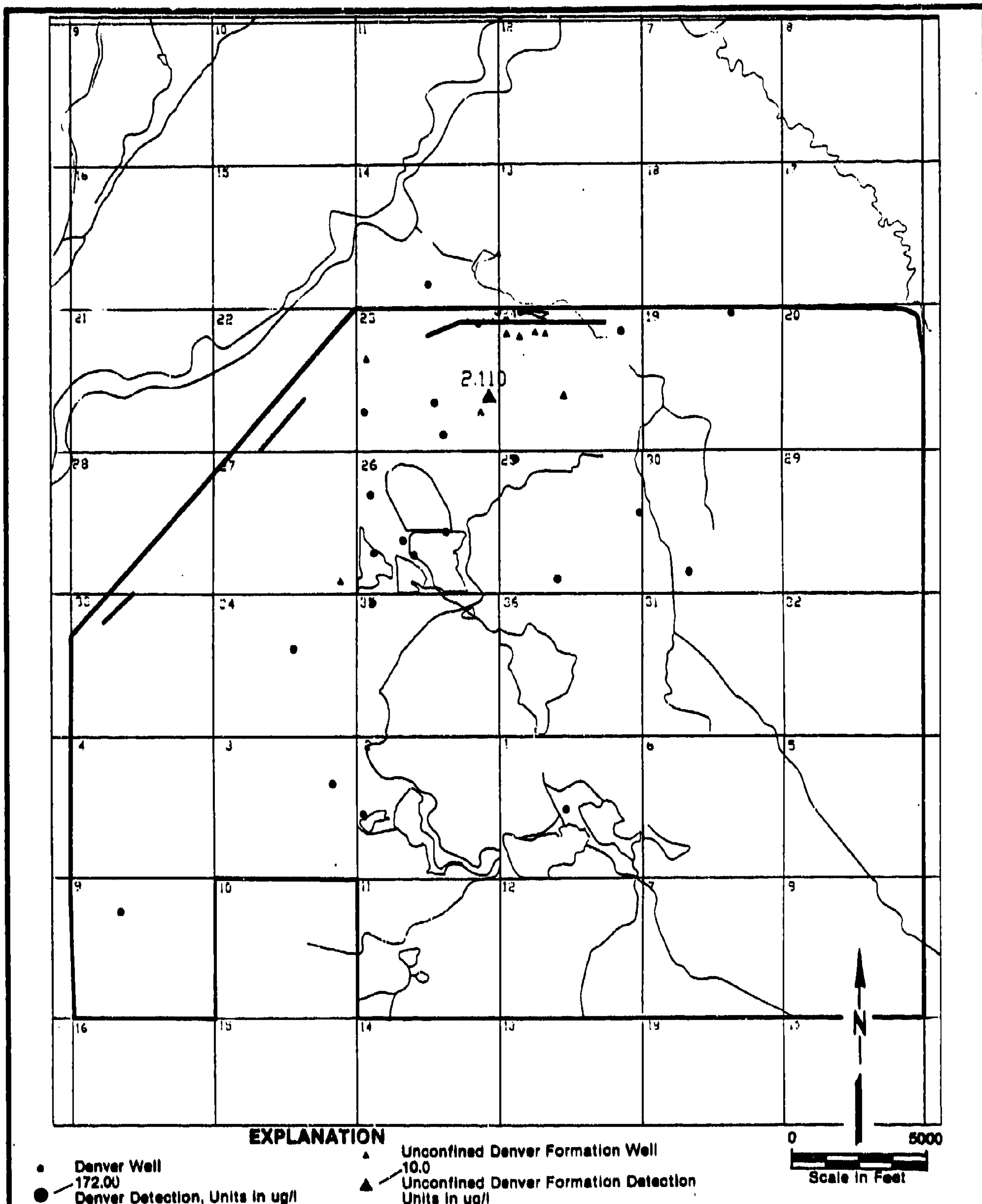
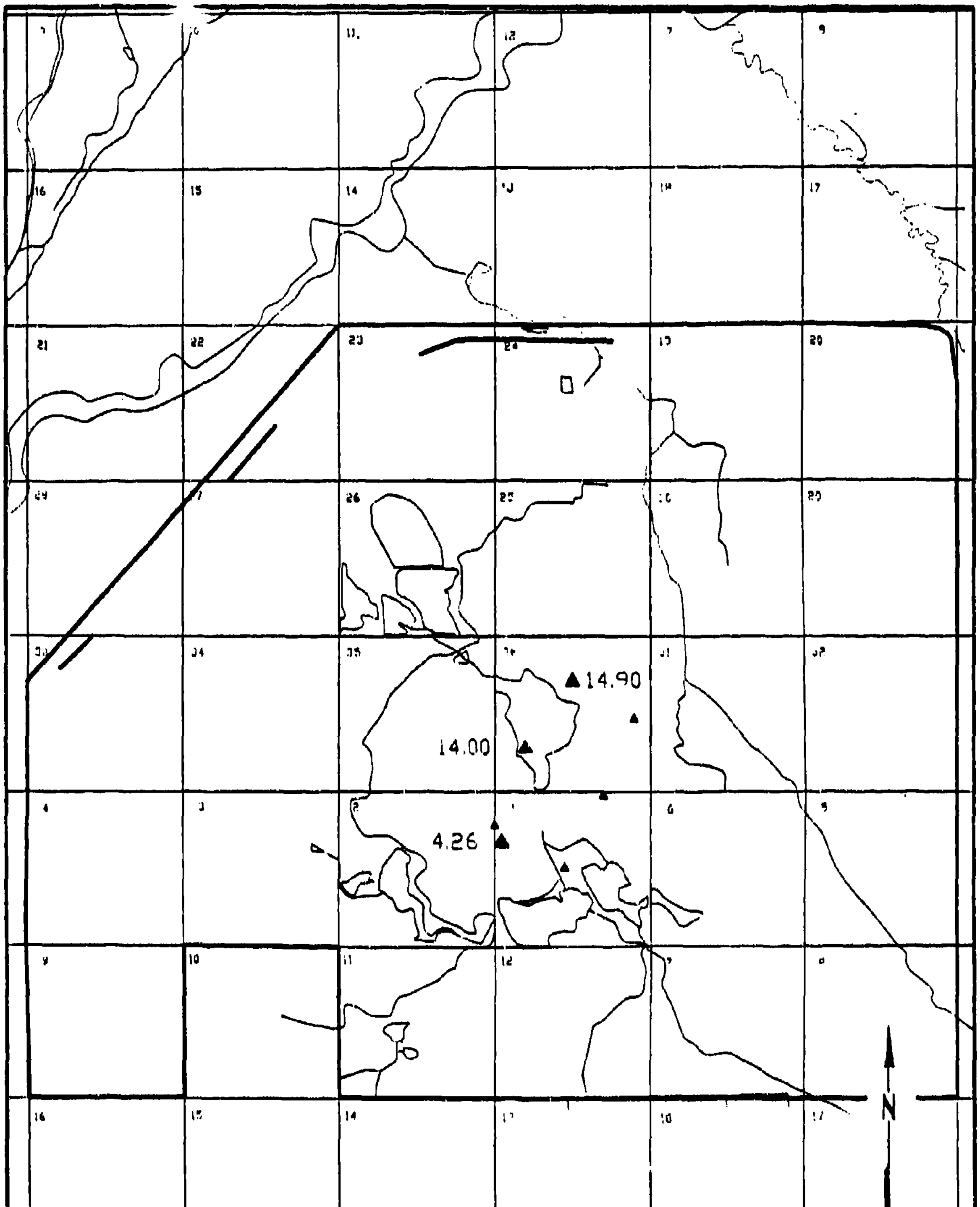


Figure D-124

1,1-DICHLOROETHENE DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

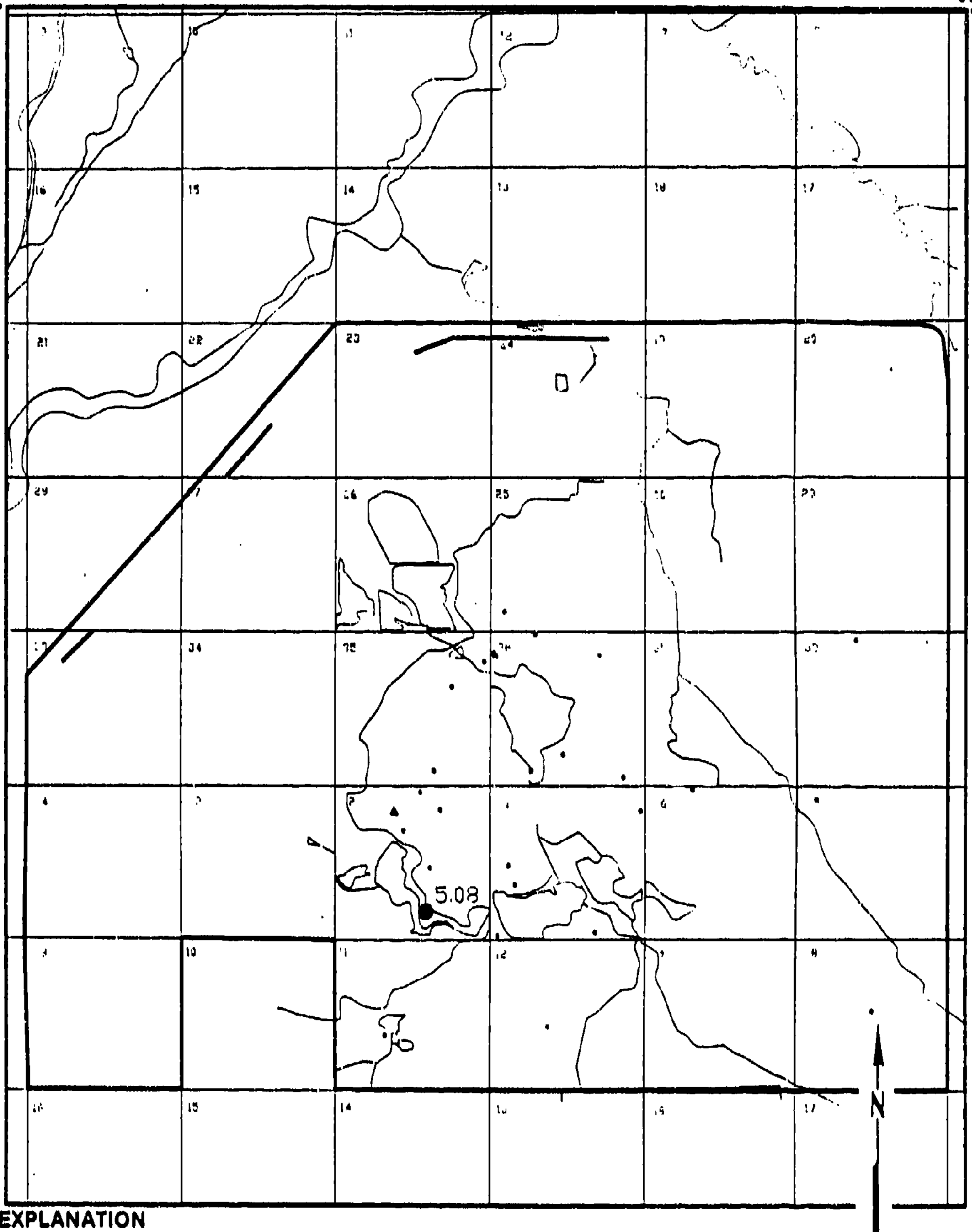
0 5000
Scale in Feet

Figure D-125

T.1,2 DICHLOROETHENE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

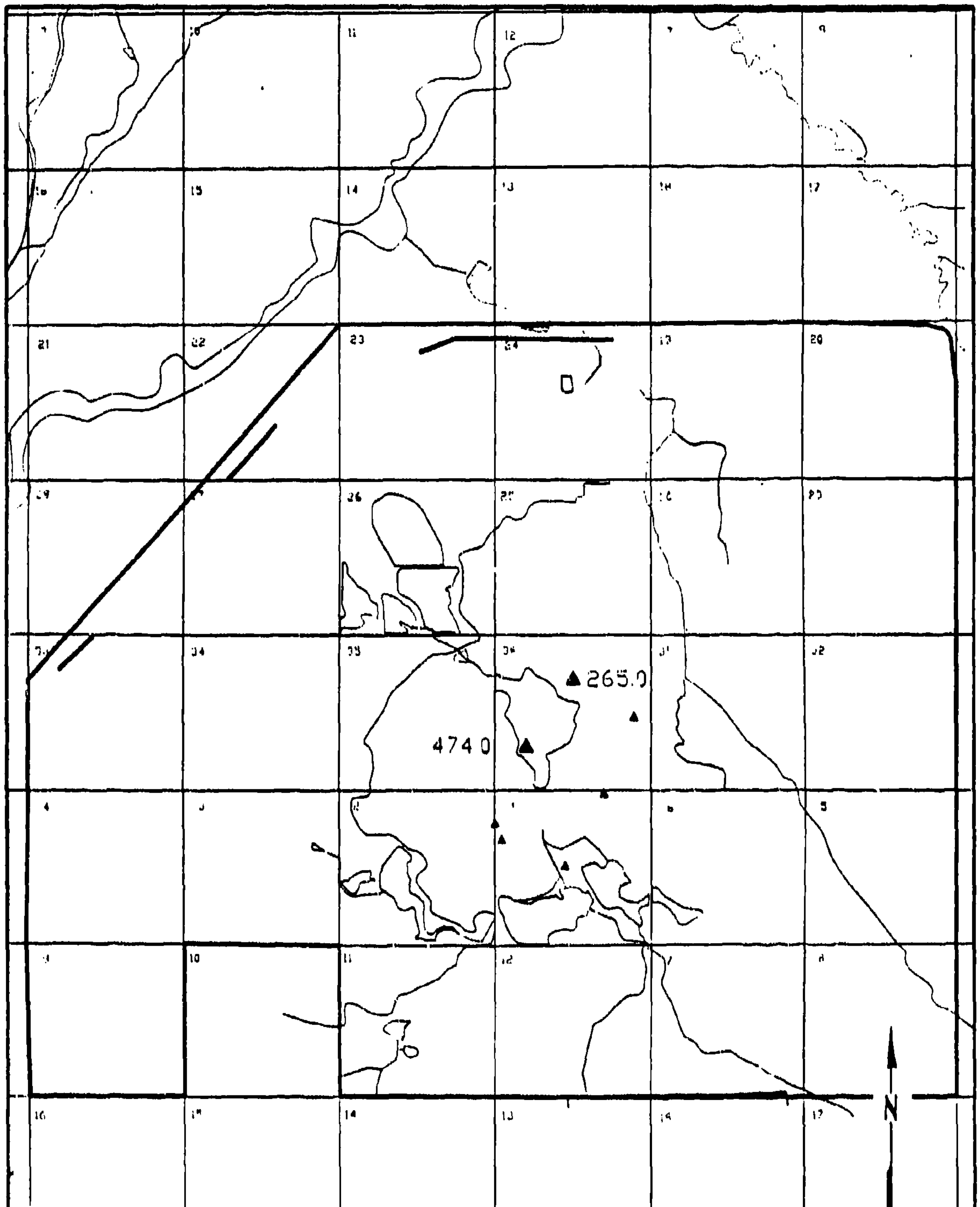
- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-126
T.1,2DICHLOROETHENE DETECTIONS DENVER ZONE A 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

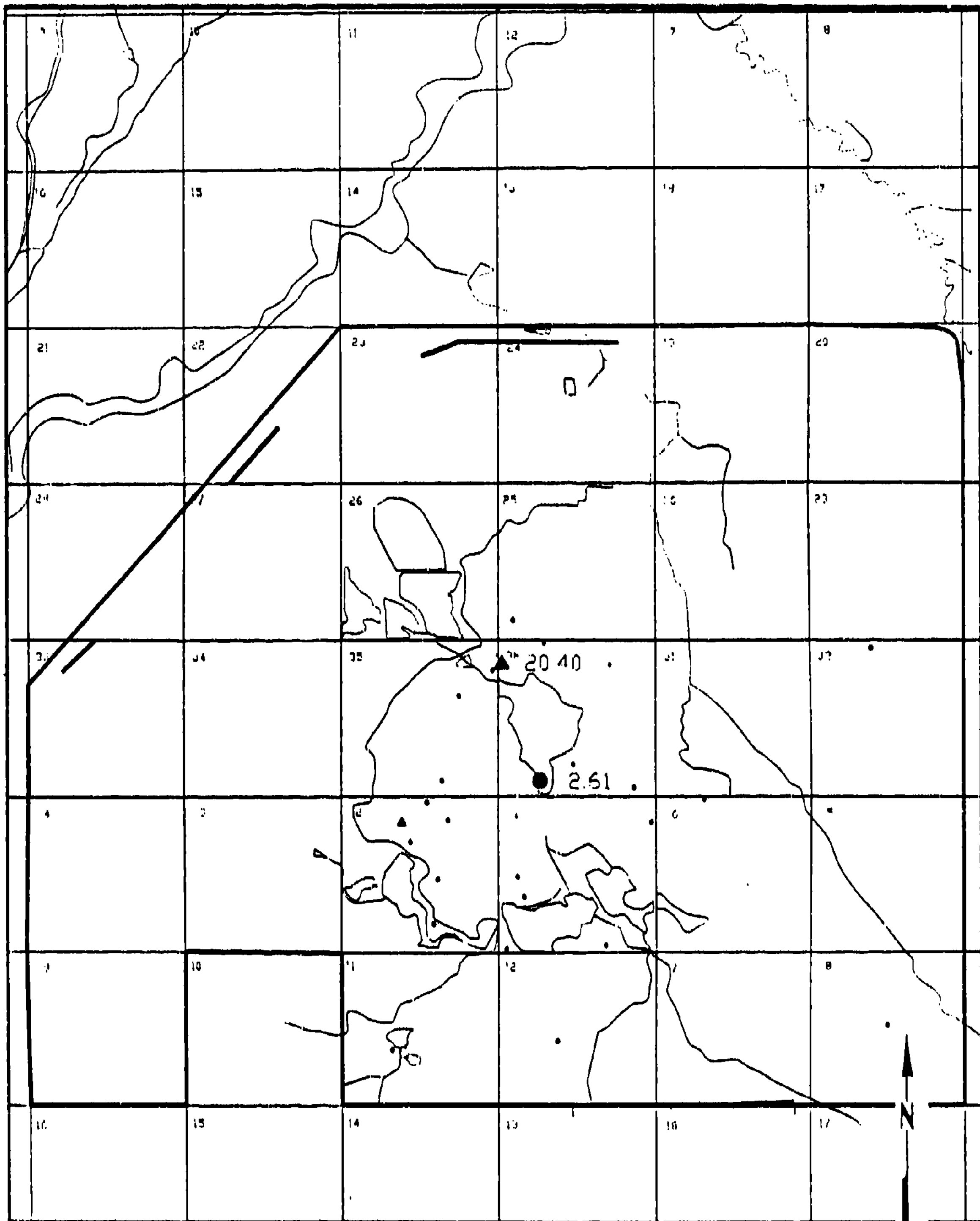
- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-127
1,2 DICHLOROETHANE DETECTIONS
DENVER ZONE VC/VCE 3RD QUARTER FY1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

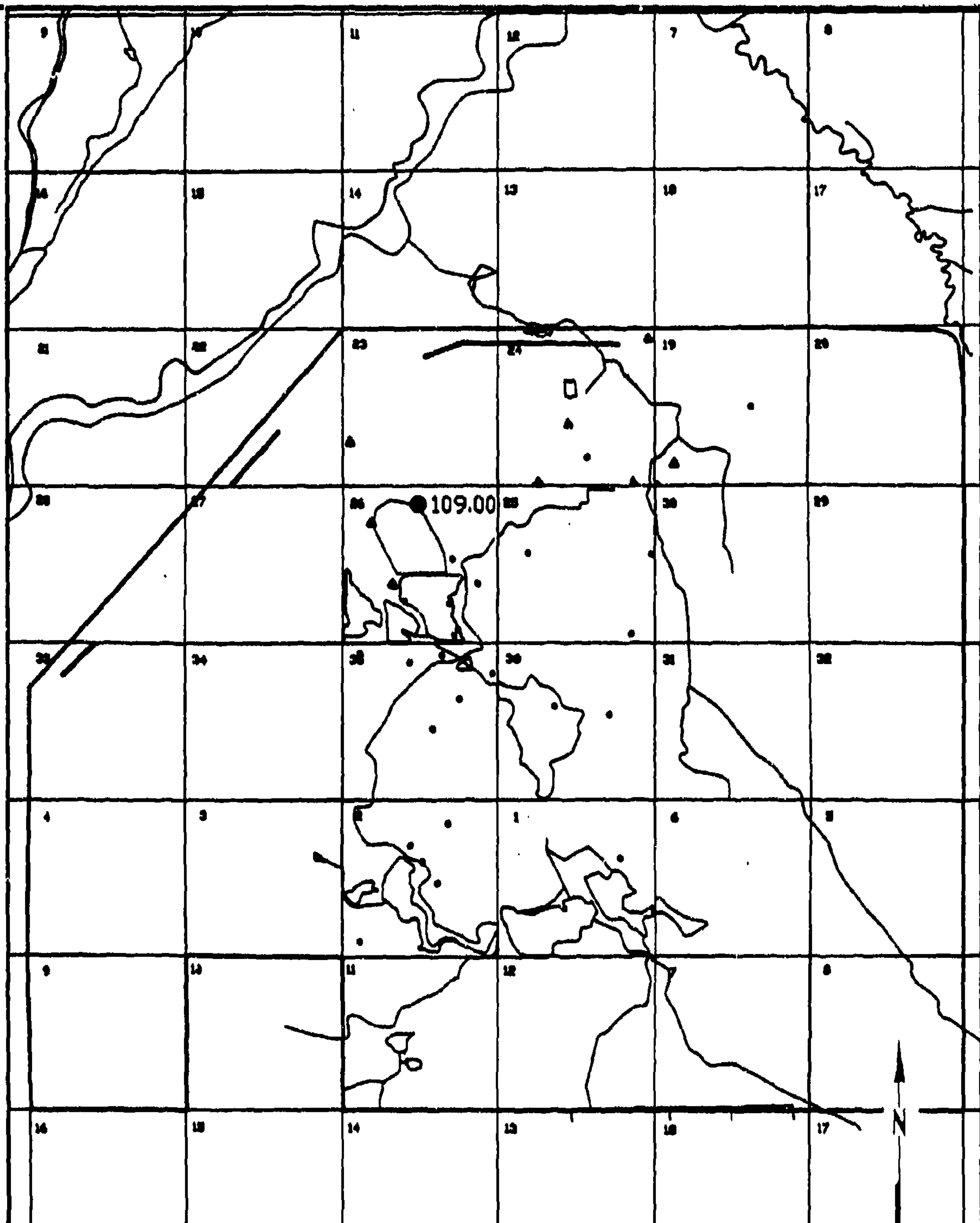
- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-128
1,2 DICHLOROETHANE DETECTIONS
DENVER ZONE A 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000

Scale in Feet

Figure D-129

1,2 DICHLOROETHANE DETECTIONS DENVER ZONE 1 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

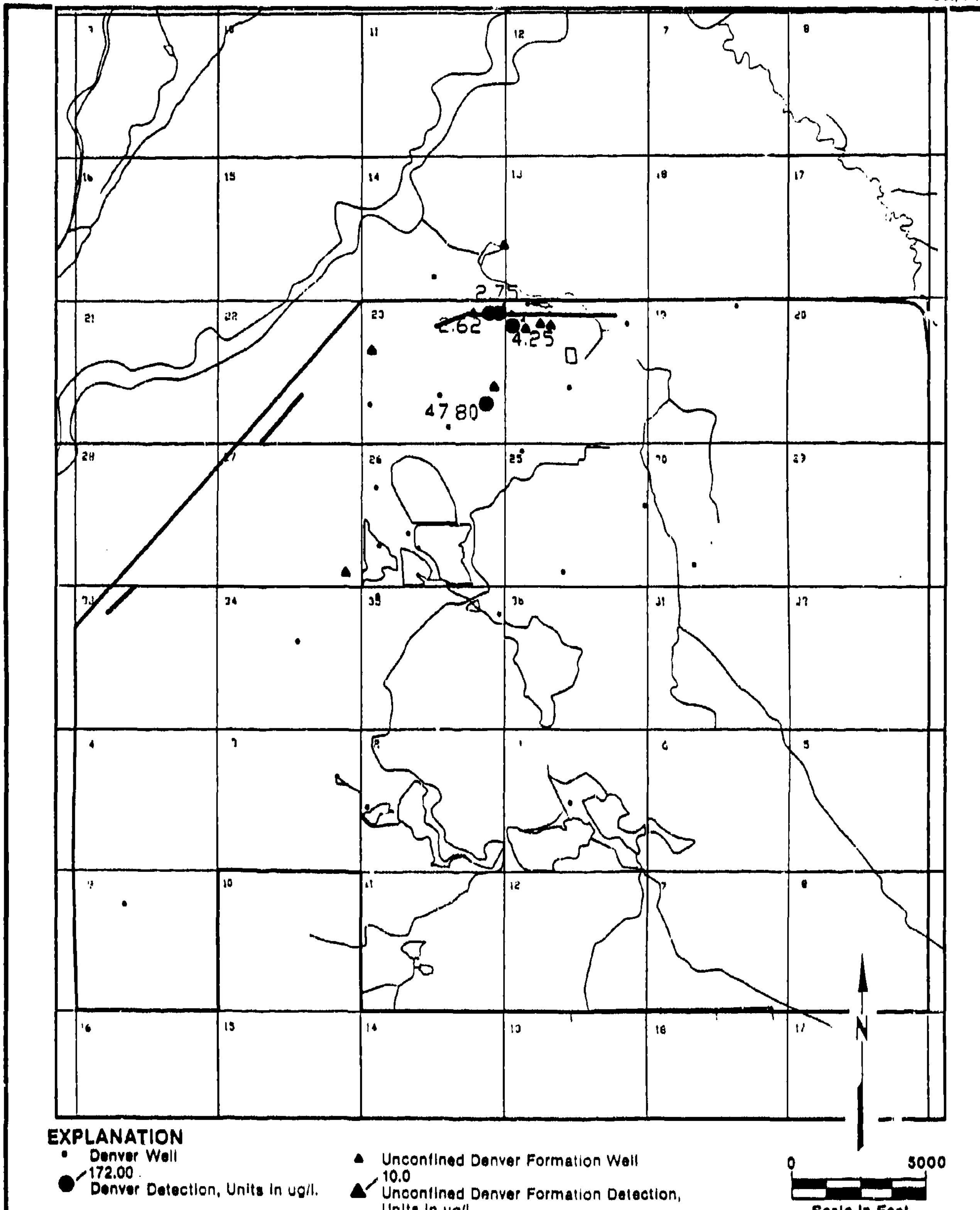
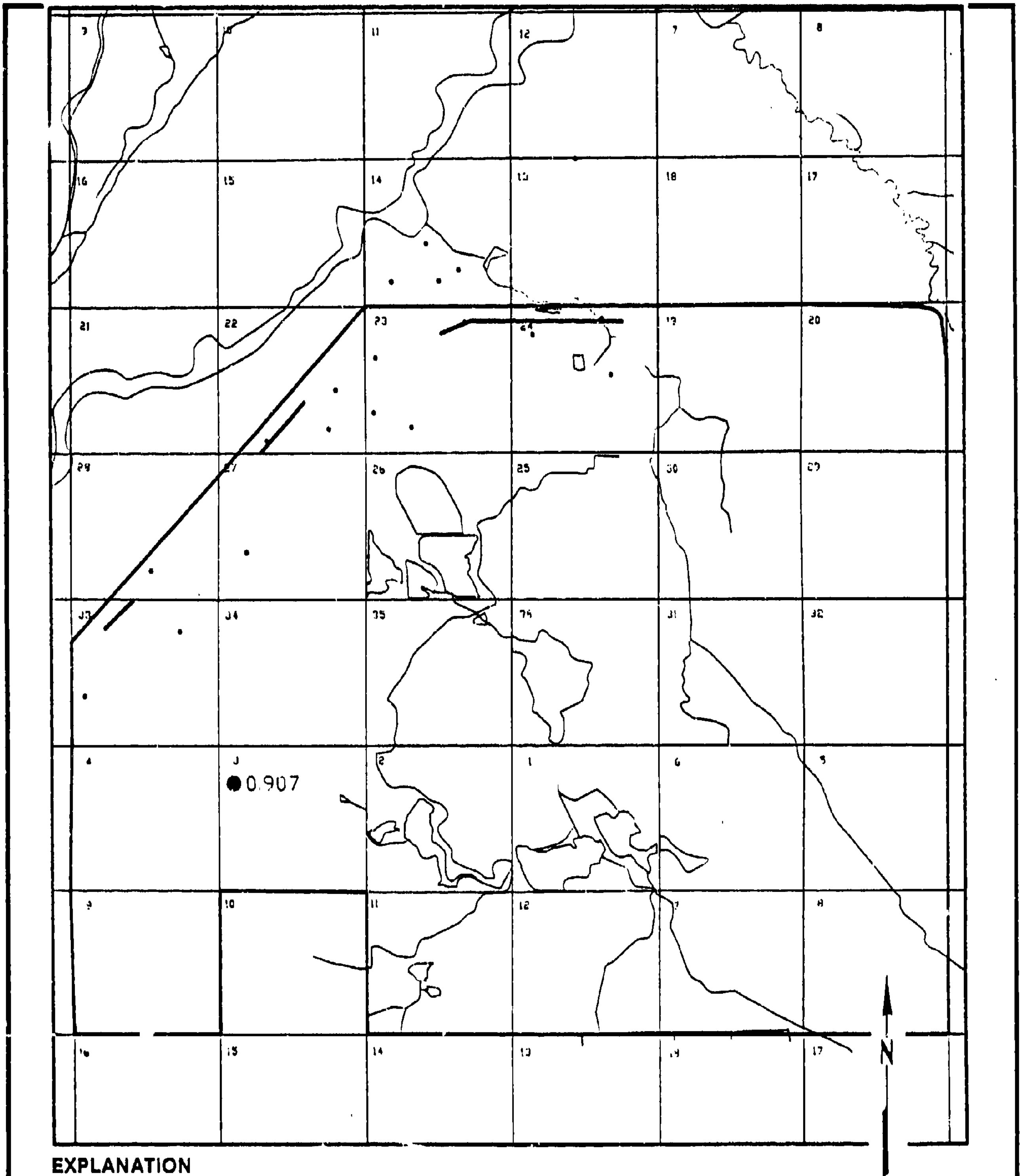


Figure D-130
1,2 DICHLOROETHANE DETECTIONS DENVER ZONE 2 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

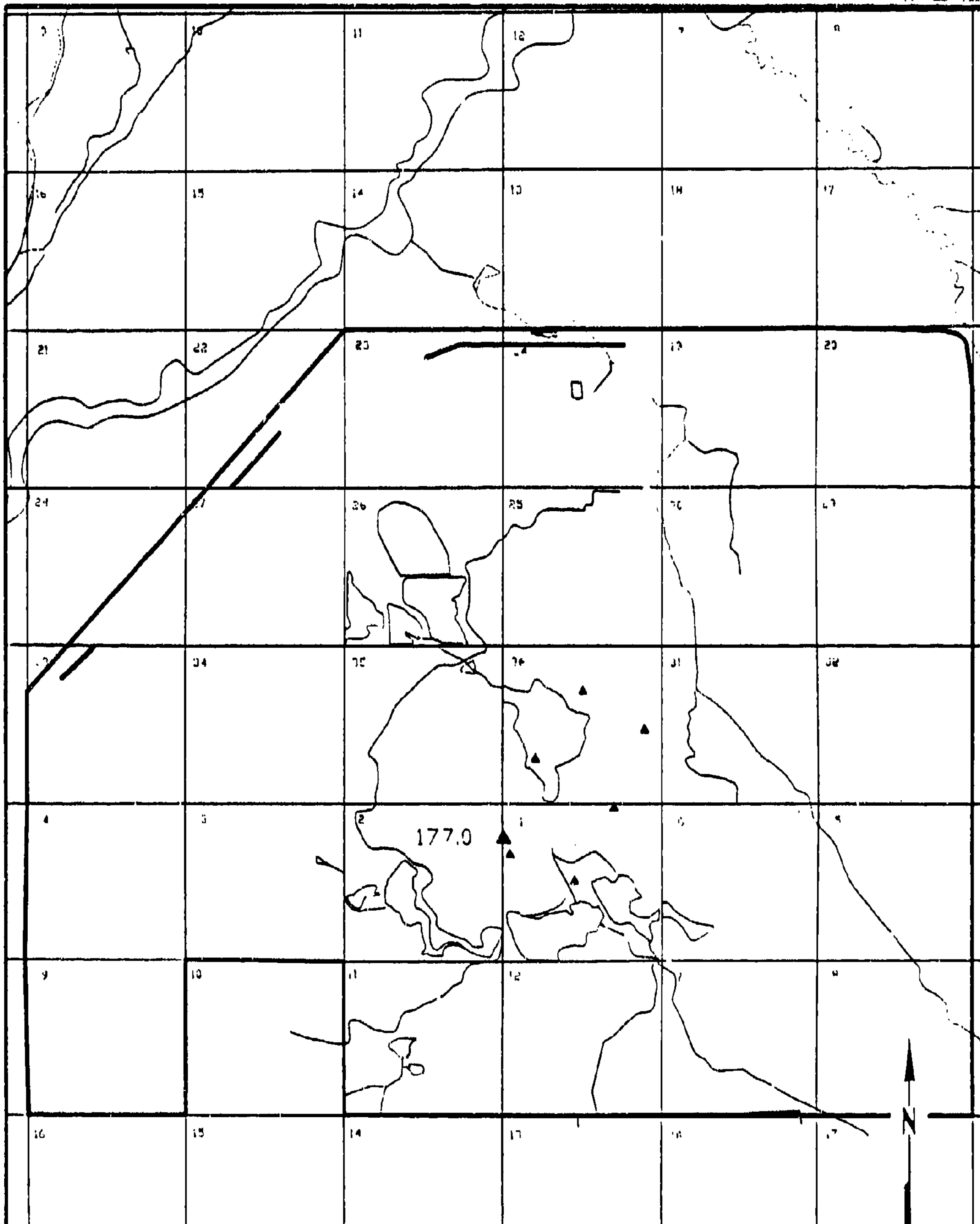
- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-131
1,2 DICHLOROETHANE DETECTIONS
DENVER ZONE 4 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-132

CARBON TETRACHLORIDE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

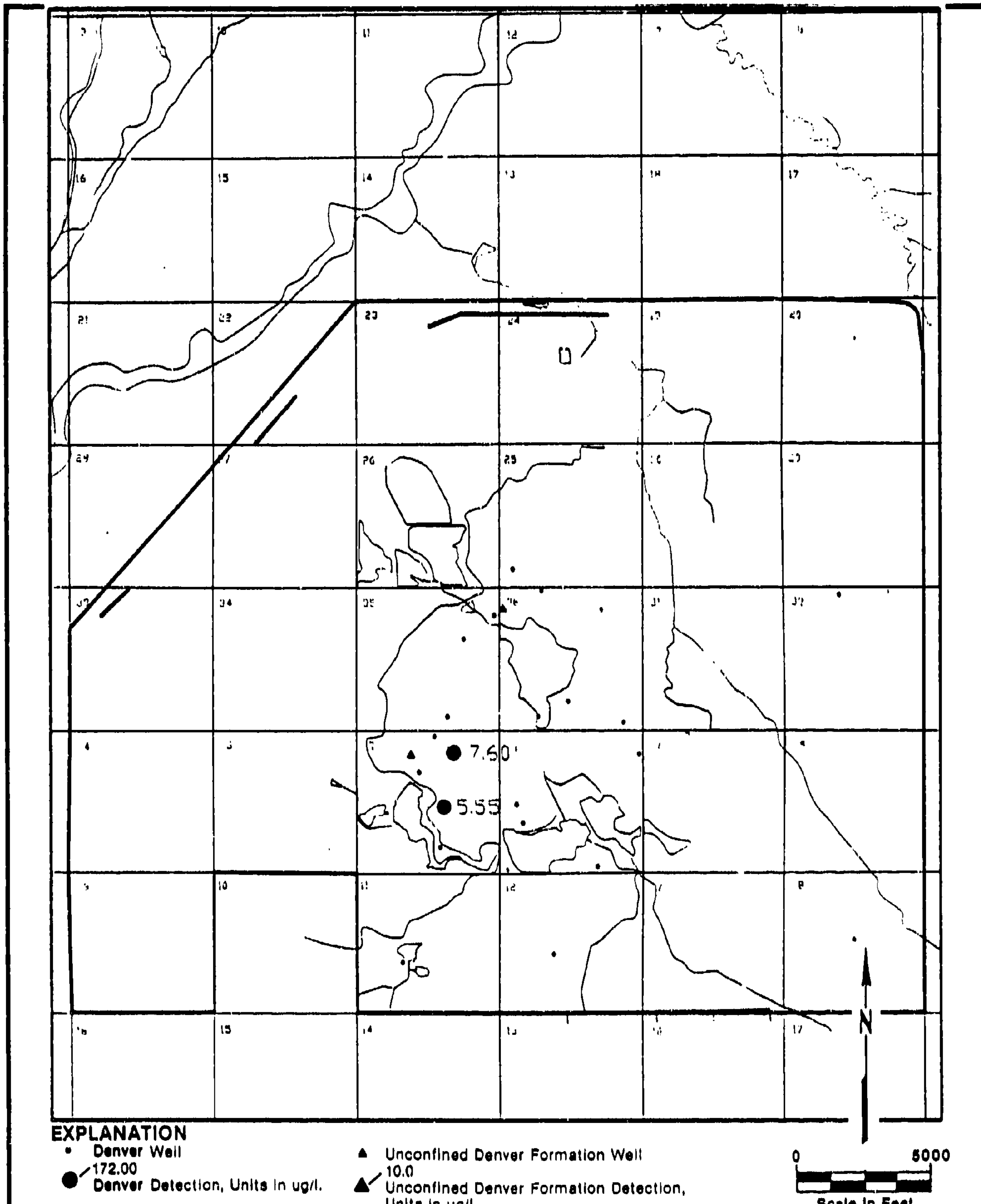


Figure D-133
CARBON TETRACHLORIDE DETECTIONS
DENVER ZONE A 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

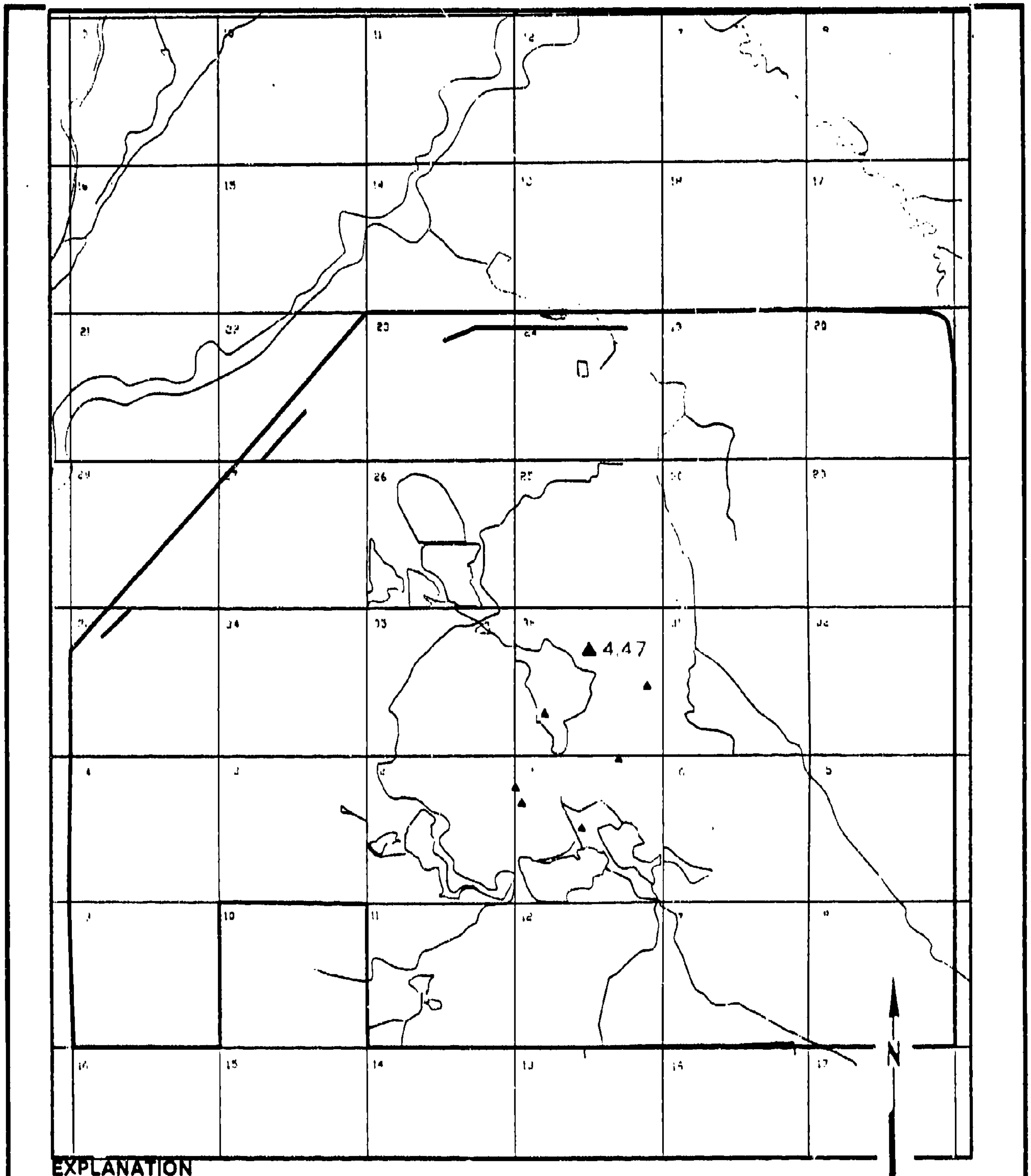
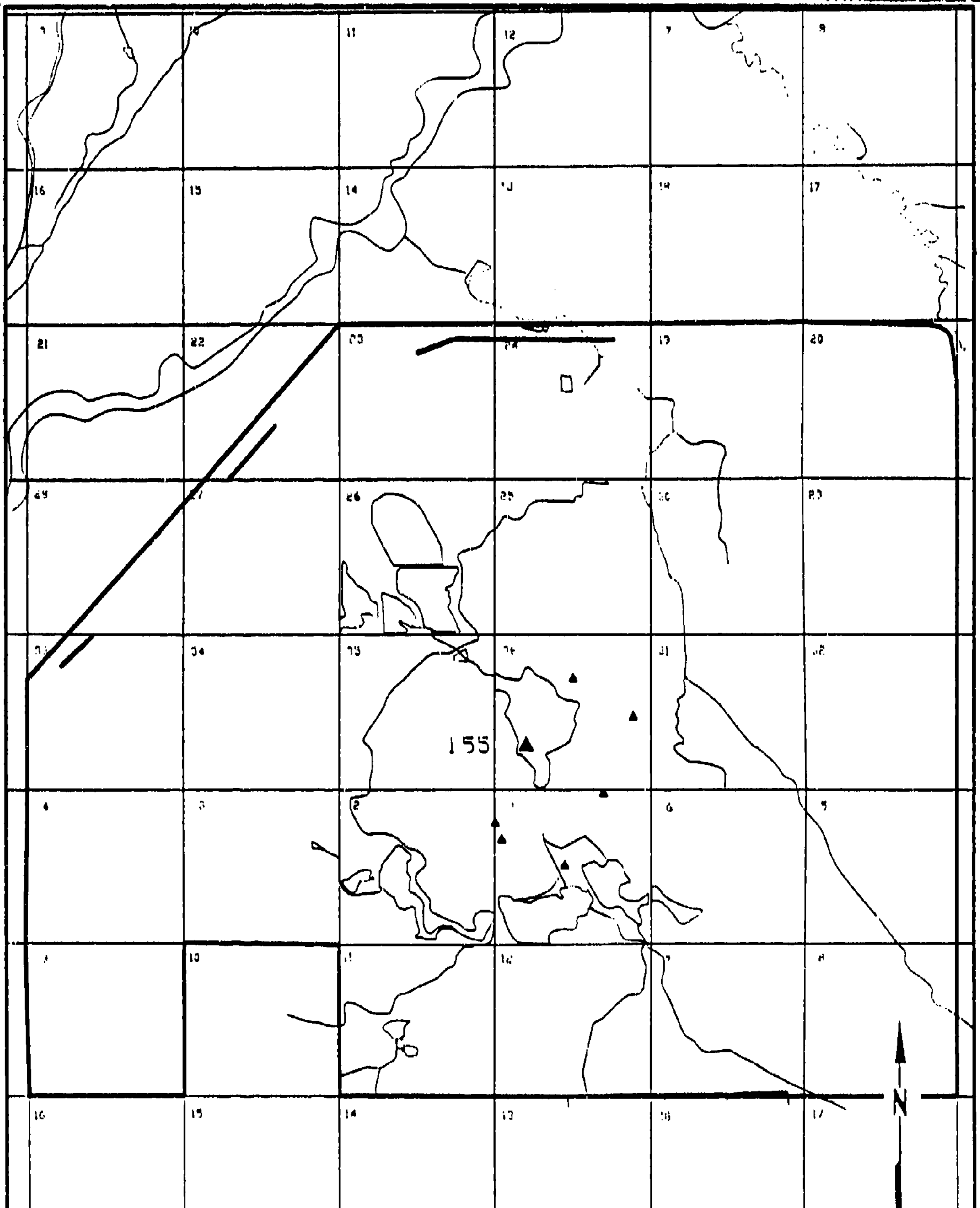


Figure D-134
1,1,2 TRICHLOROETHANE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER, FY 1987
SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



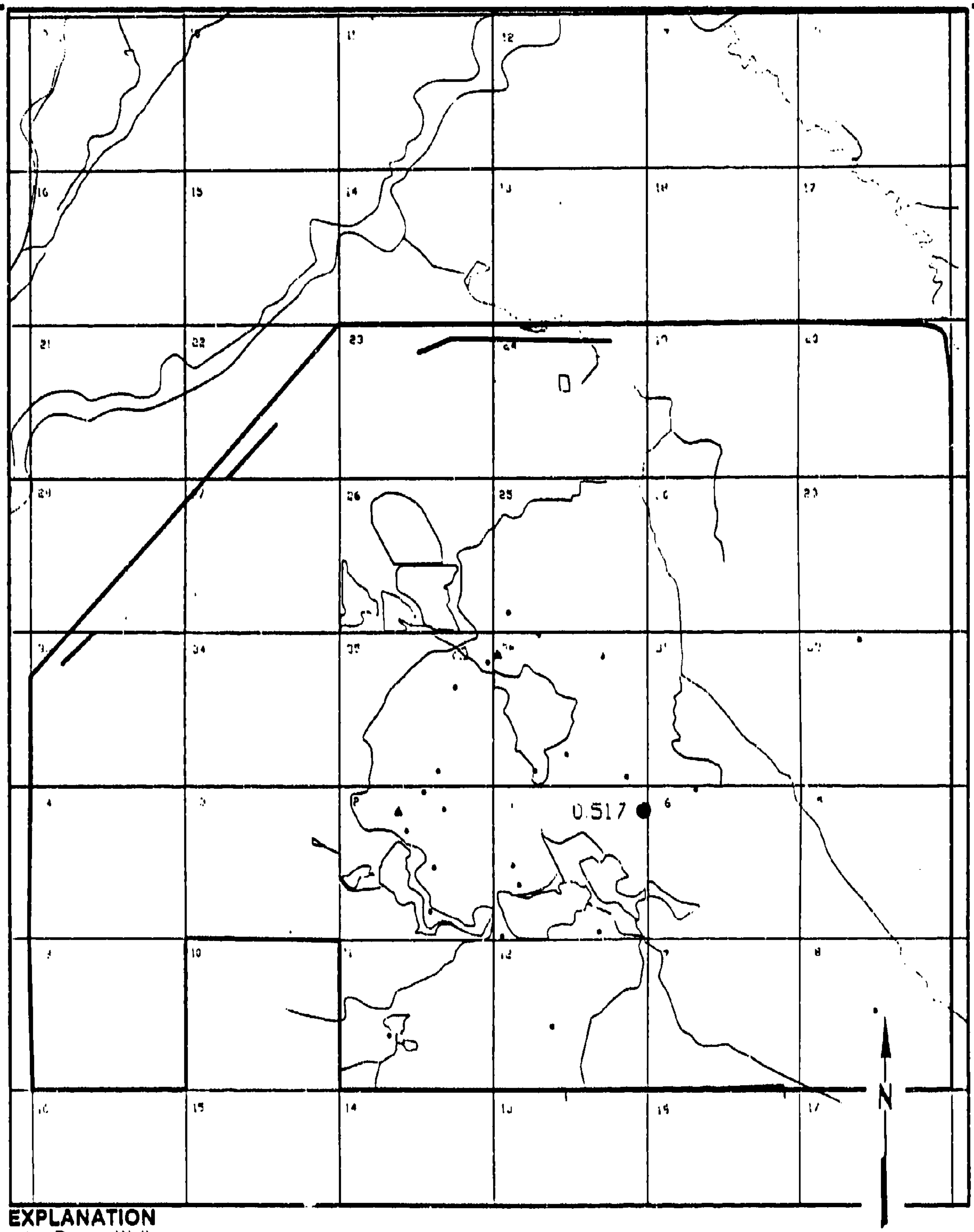
EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000 Scale in Feet

N

Figure D-135 DBCP DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987 SOURCE: Hunter/ESE, 1988	**Prepared for:** **U.S. Army Program Manager's Office For Rocky Mountain Arsenal** **Aberdeen Proving Ground, Maryland**



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000

Scale in Feet

Figure D-136 DBCP DETECTIONS DENVER ZONE A 3RD QUARTER FY 1987 SOURCE: Hunter/ESE, 1988	**Prepared for:** **U.S. Army Program Manager's Office** **For Rocky Mountain Arsenal** **Aberdeen Proving Ground, Maryland**

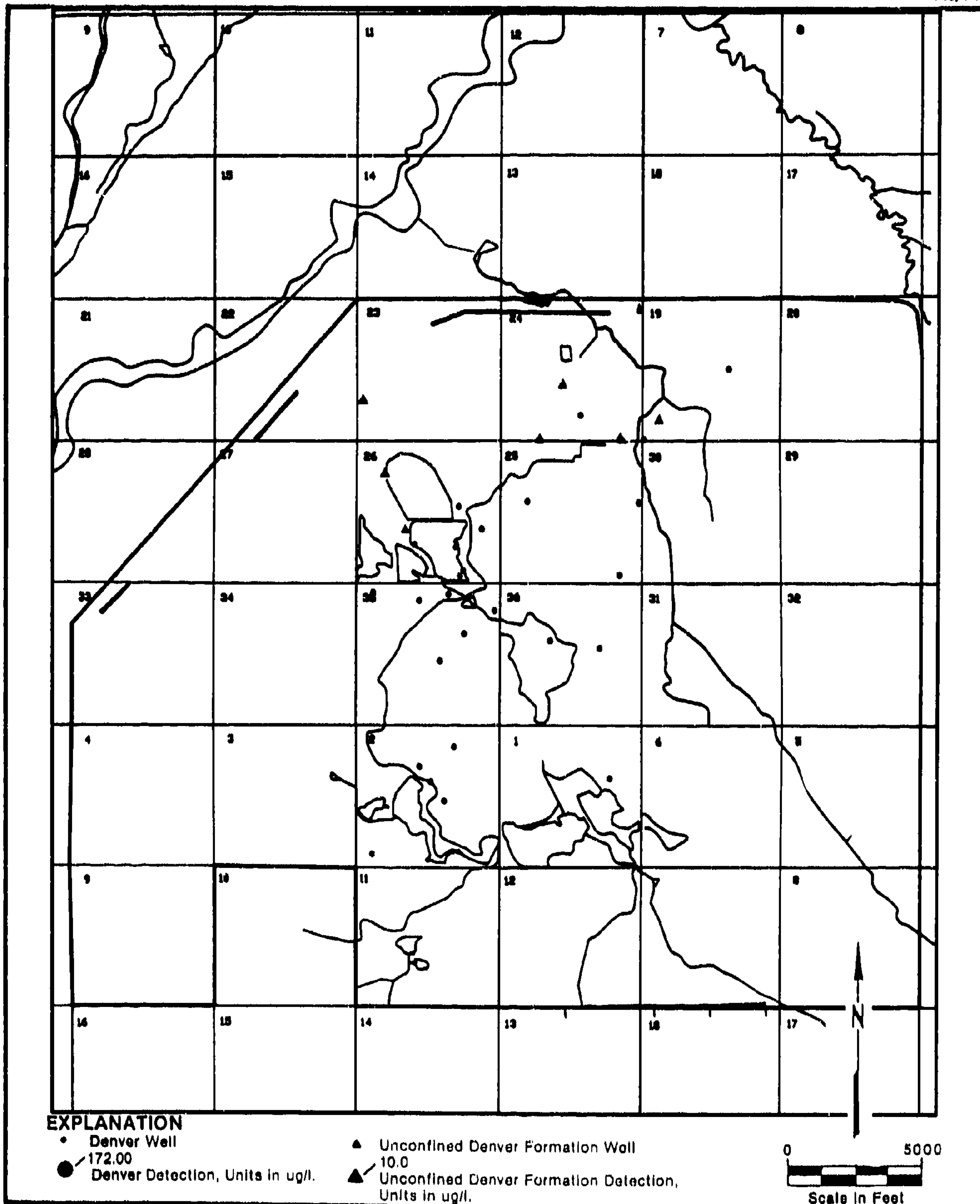
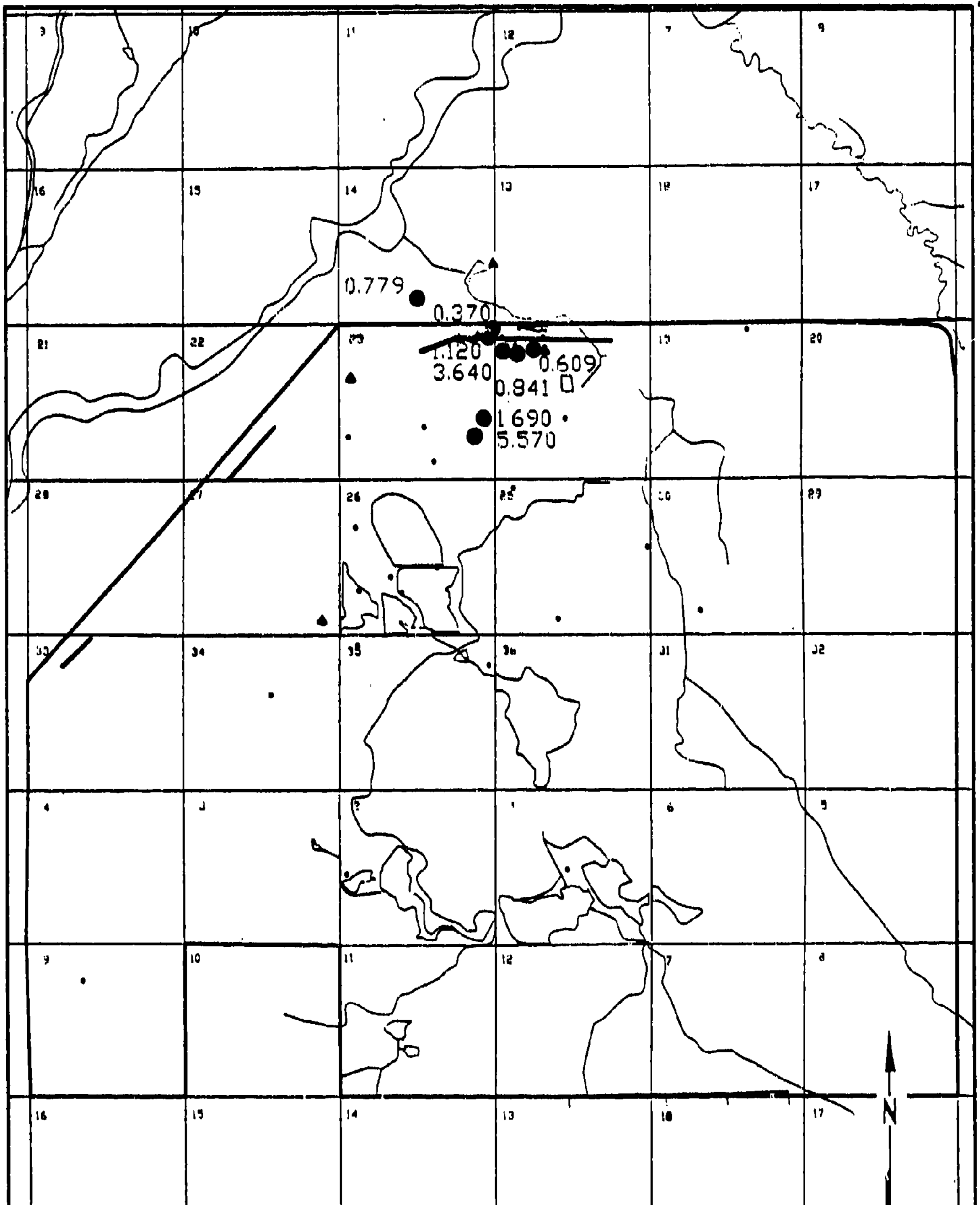


Figure D-137
DBCP DETECTIONS DENVER ZONE 1
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

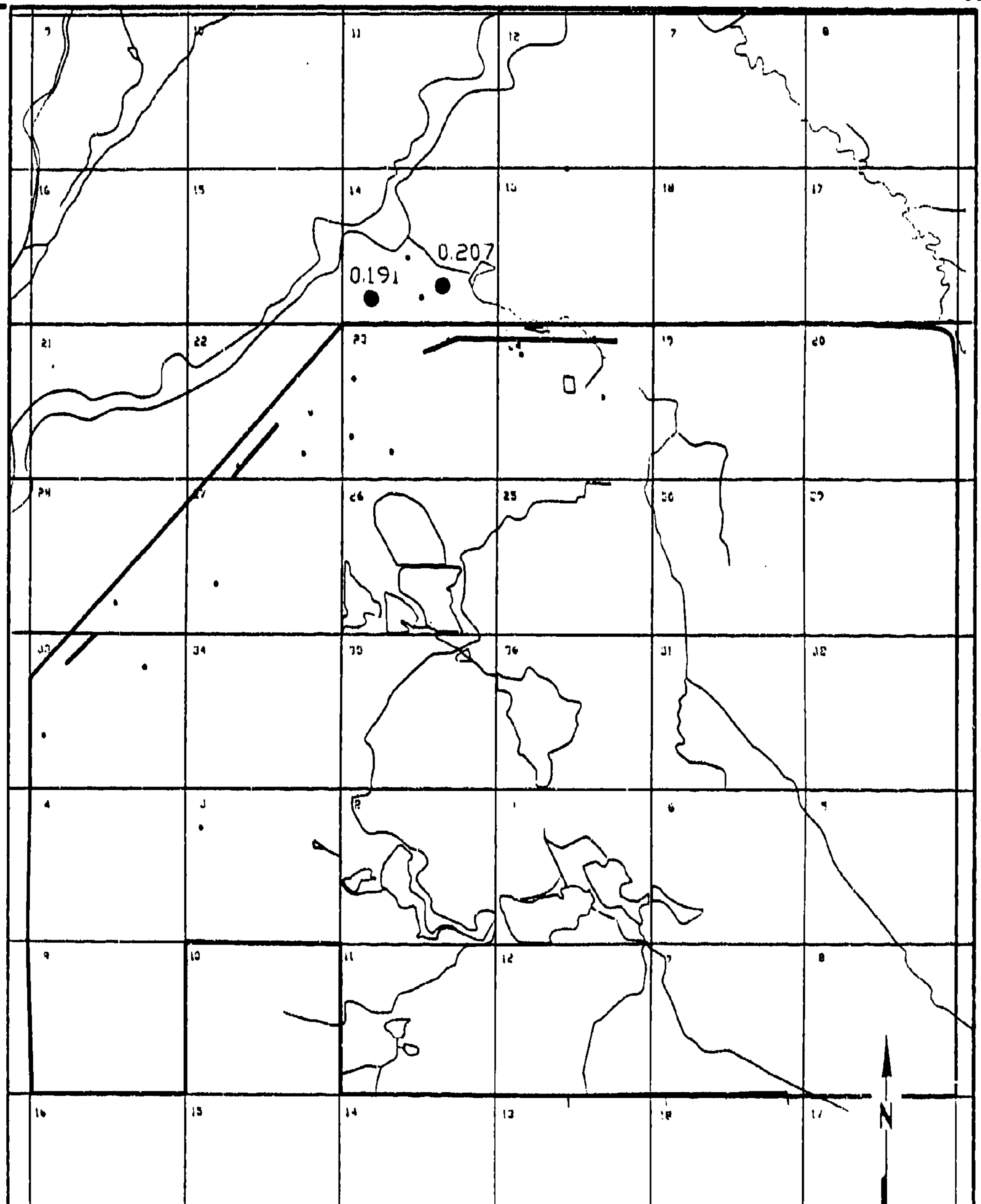
- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale In Feet

Figure D-138
DBCP DETECTIONS DENVER ZONE 2
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

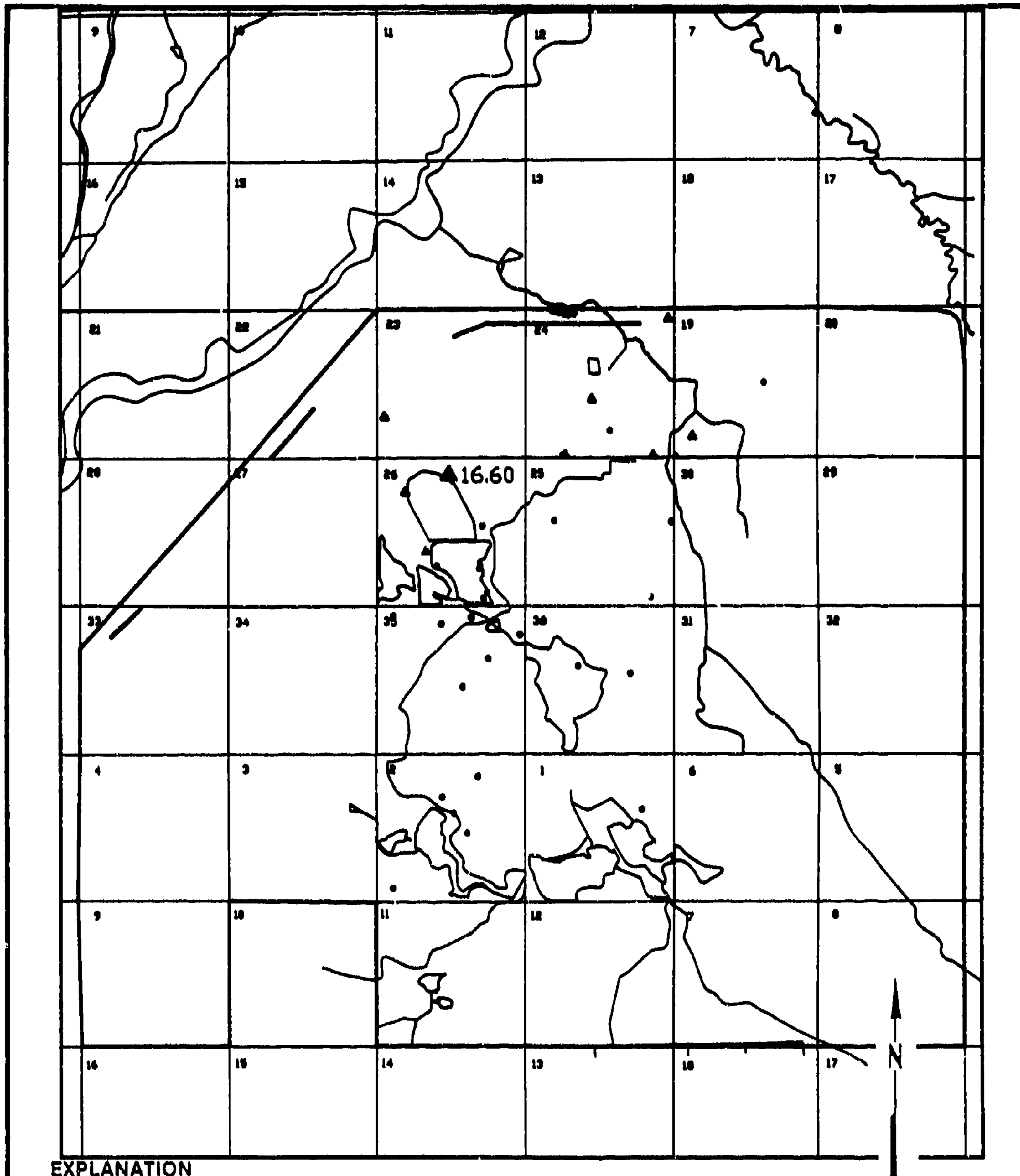
- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-139
DBCP DETECTIONS DENVER ZONE 4
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION
- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-140
DCPD DETECTIONS DENVER ZONE 1
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

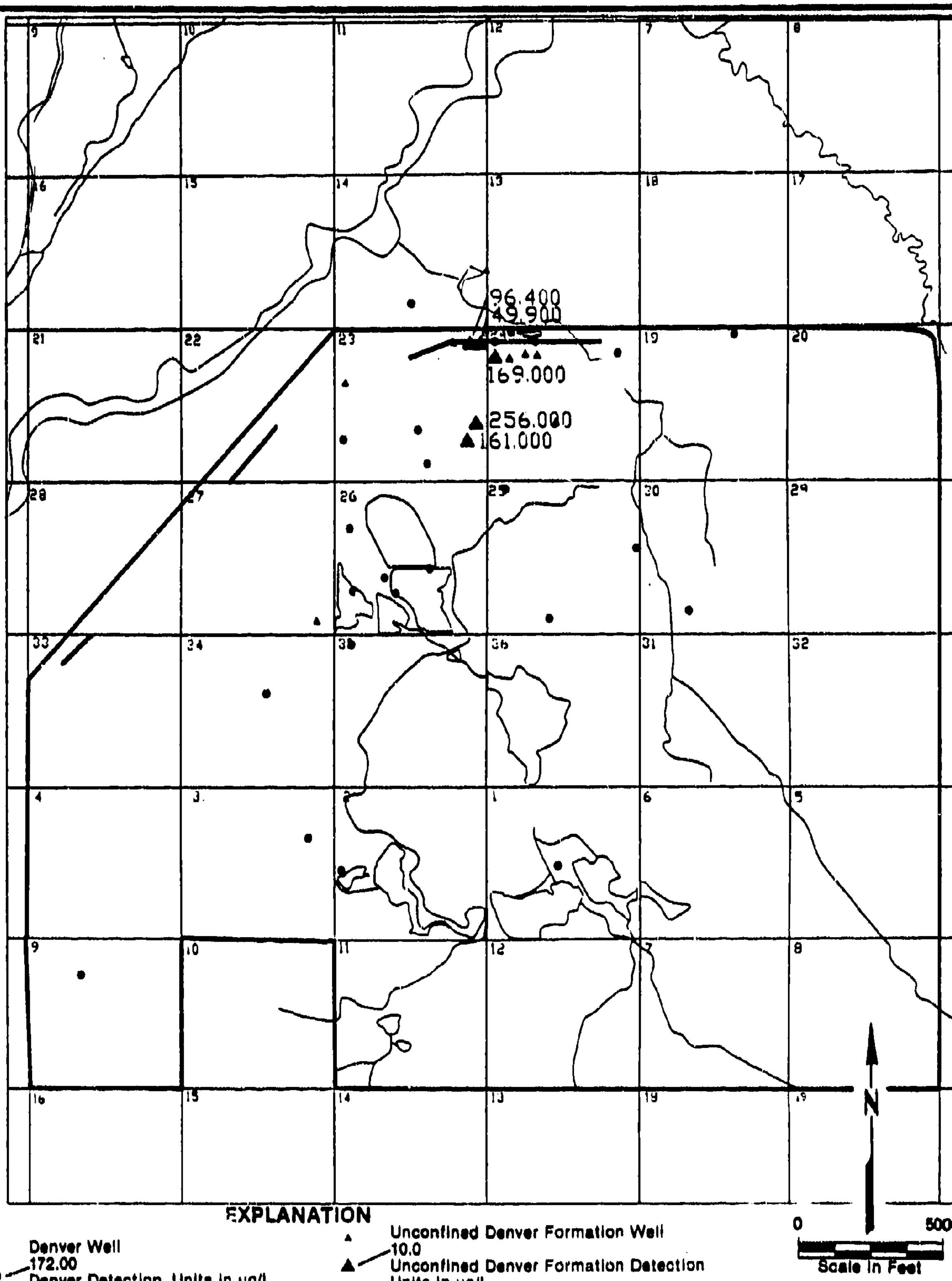
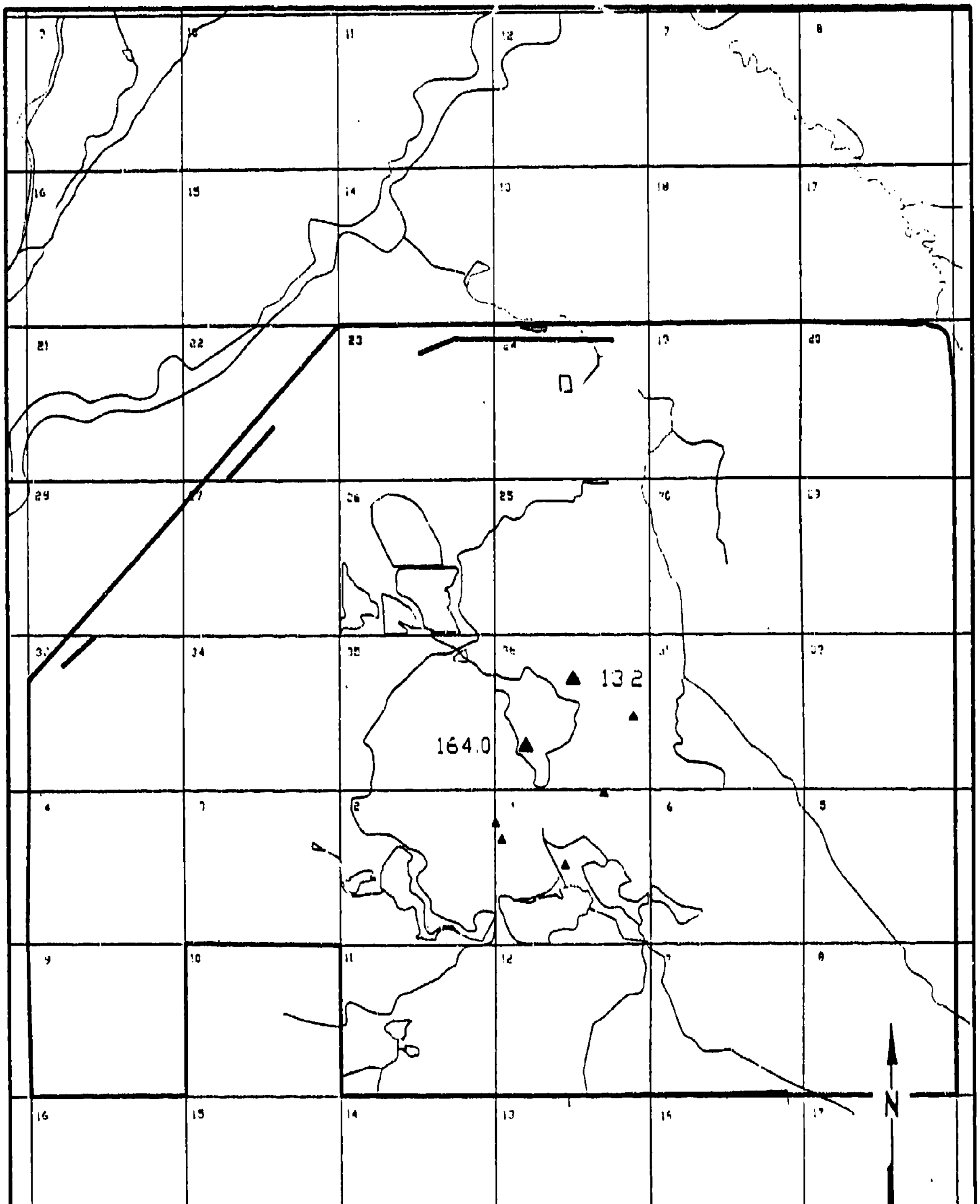


Figure D-141

DCPD DETECTIONS DENVER ZONE 2,
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

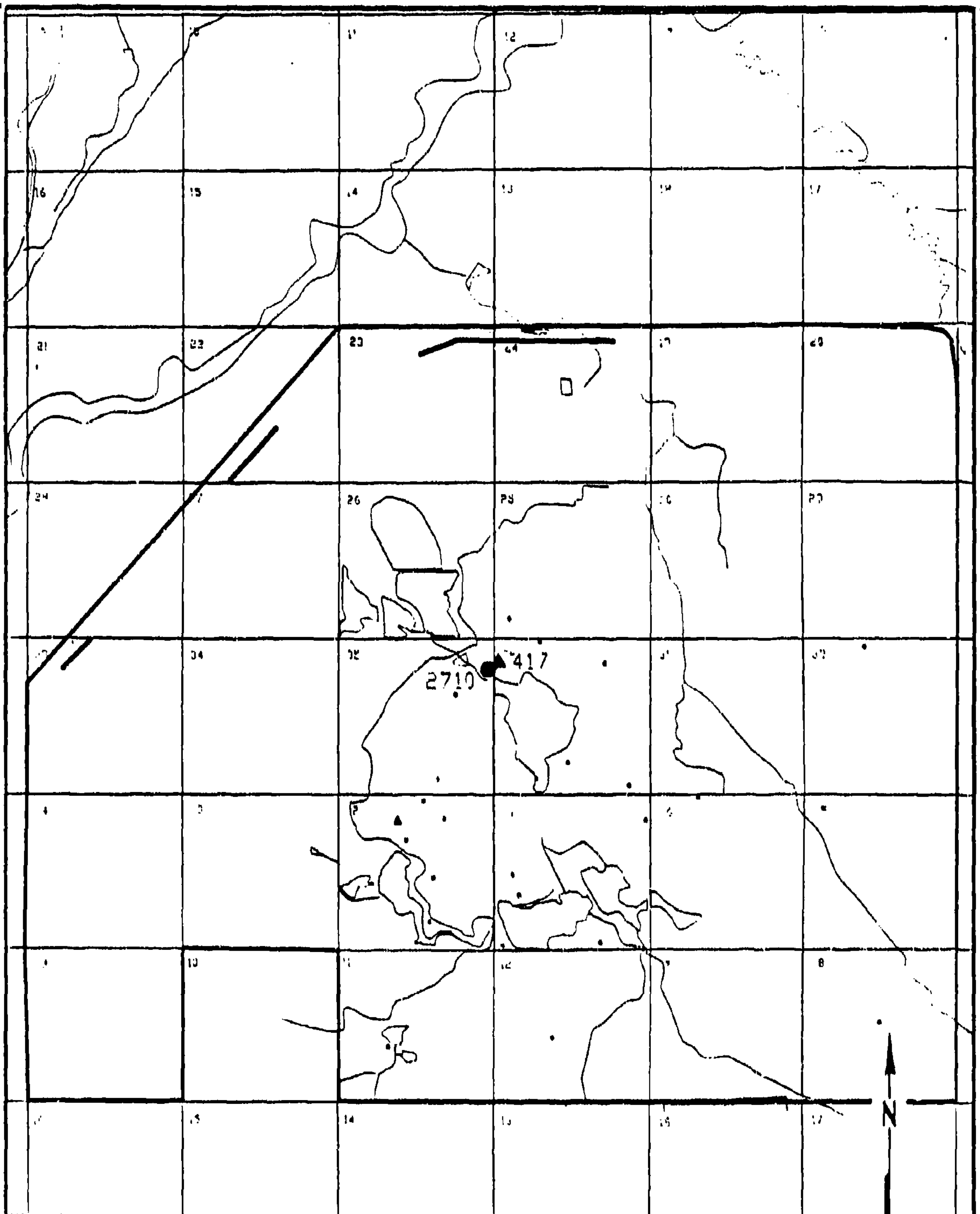
- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-142
DIMP DETECTIONS DENVER ZONE VC/VCE
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

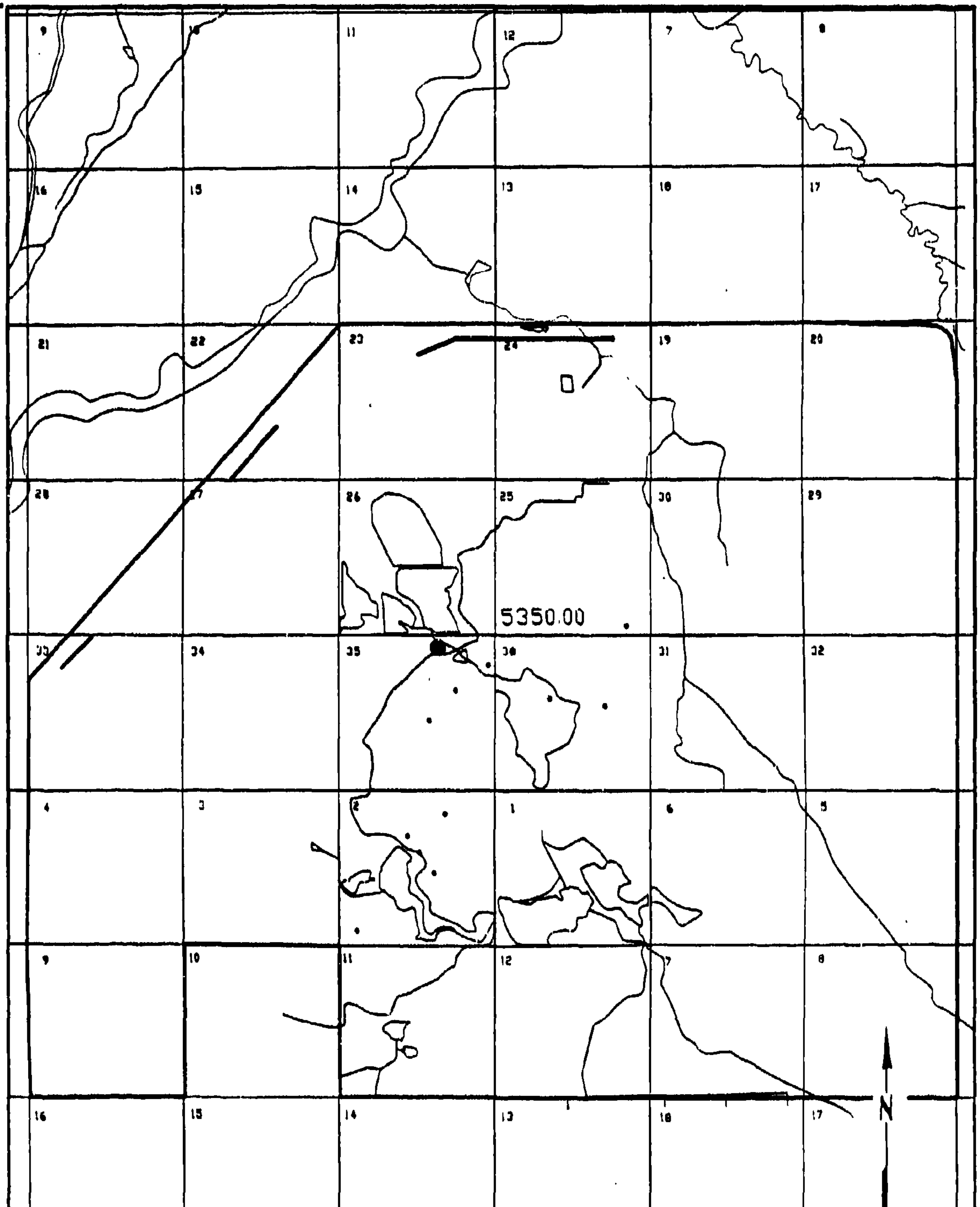
- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-143
DIMP DETECTIONS DENVER ZONE A
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

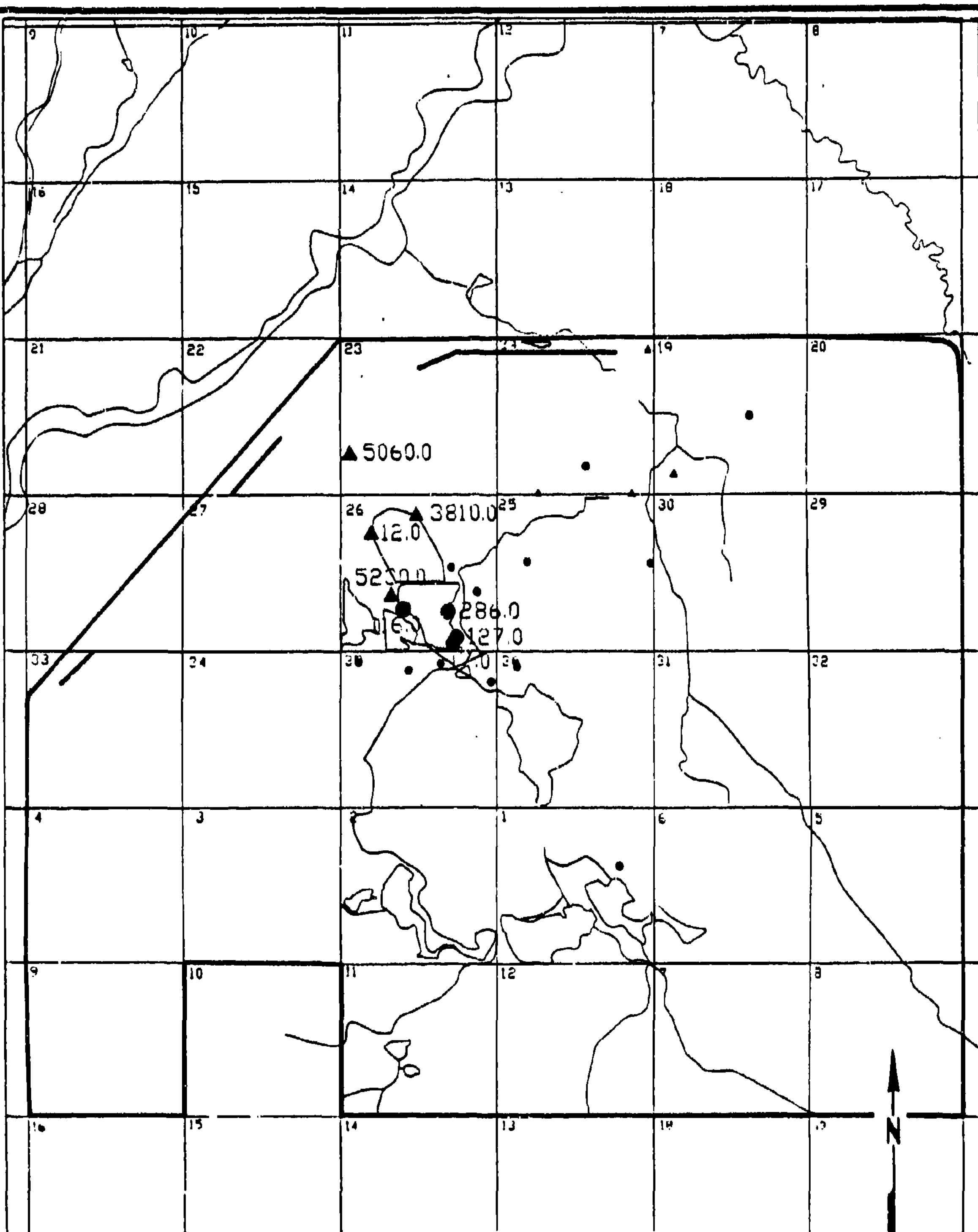
- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-144
DIMP DETECTIONS DENVER ZONE 1U
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection Units in ug/l

0 5000
Scale in Feet

Figure D-145

DIMP DETECTIONS DENVER ZONE 1, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

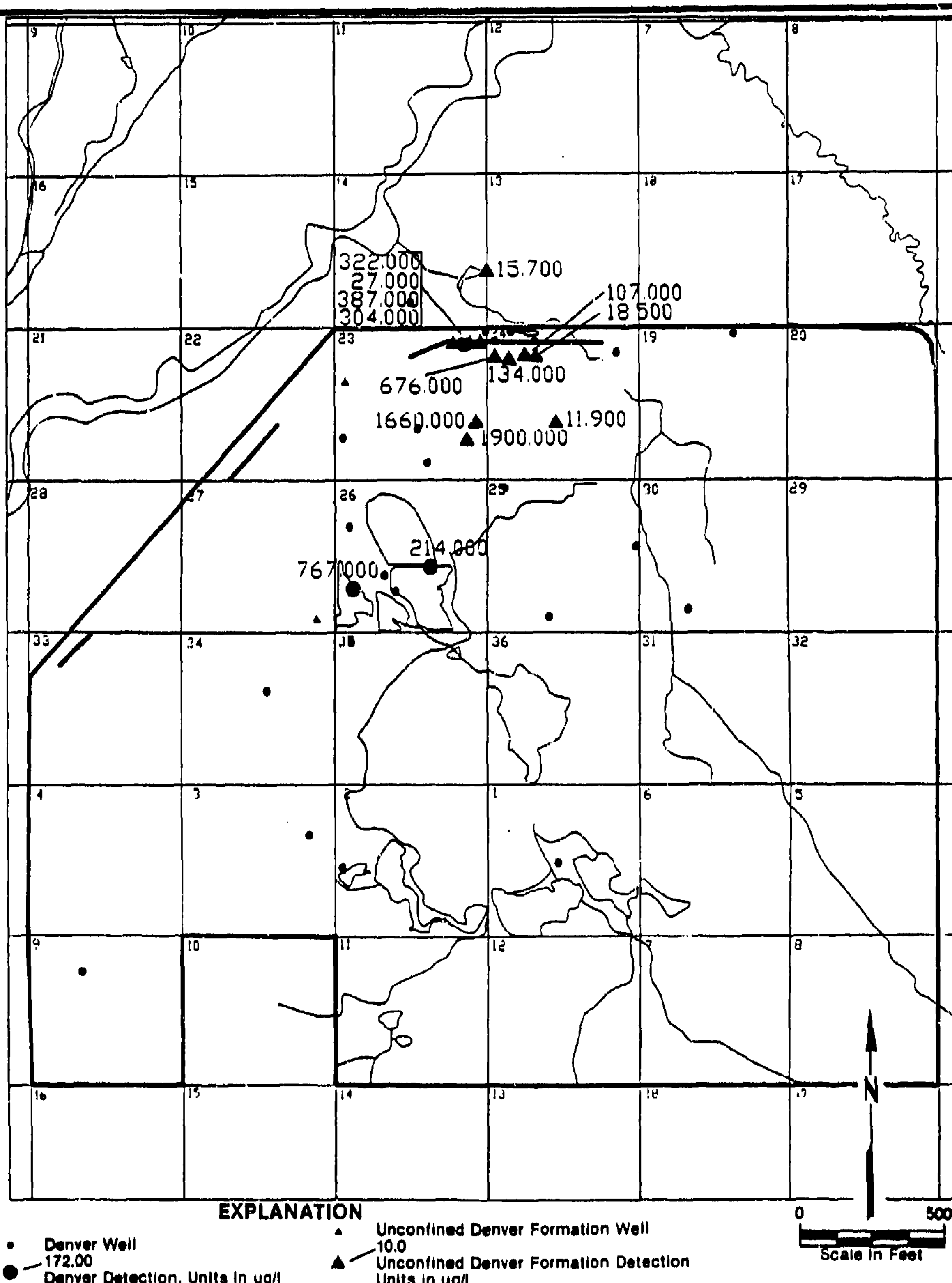


Figure D-146

DIMP DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

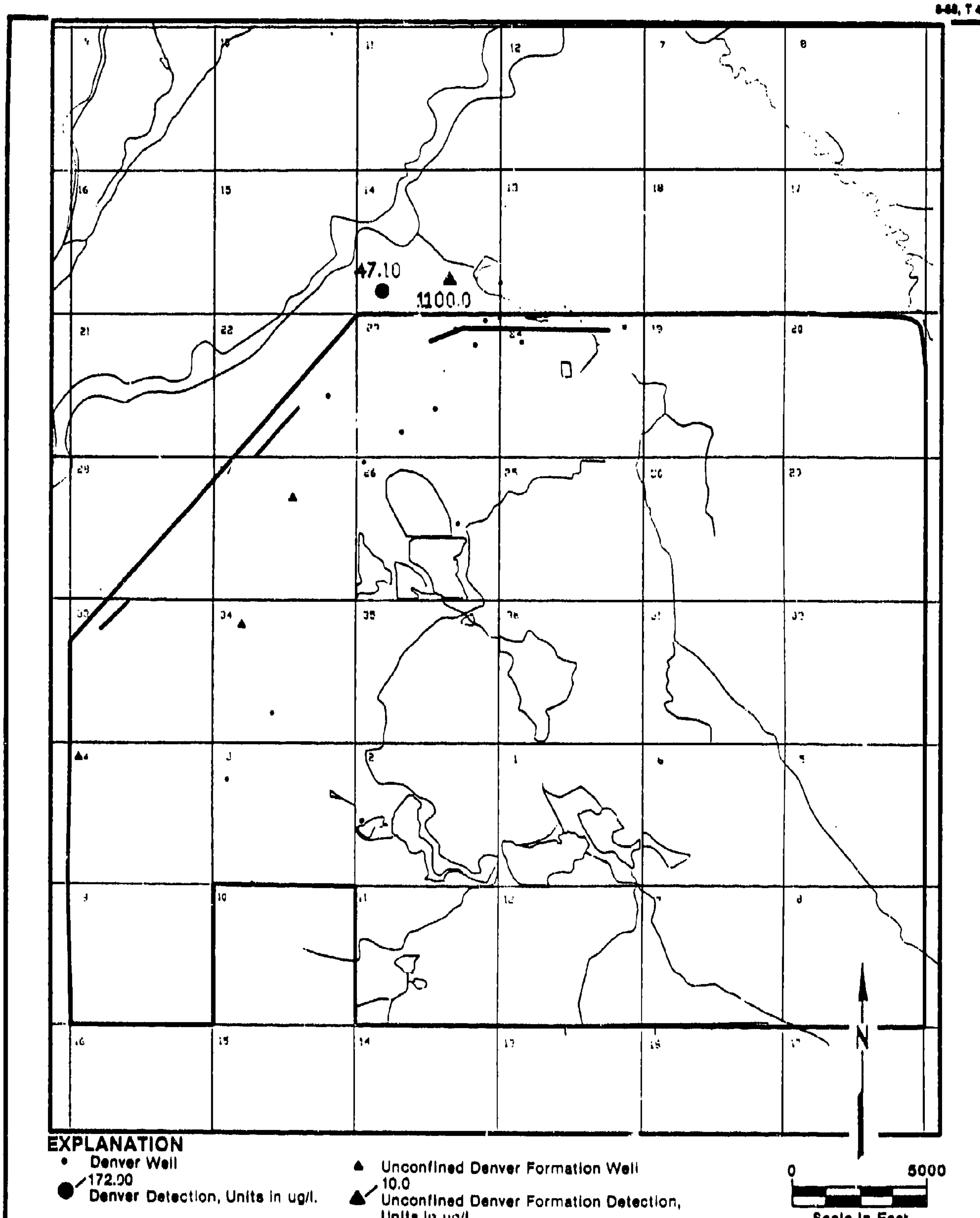
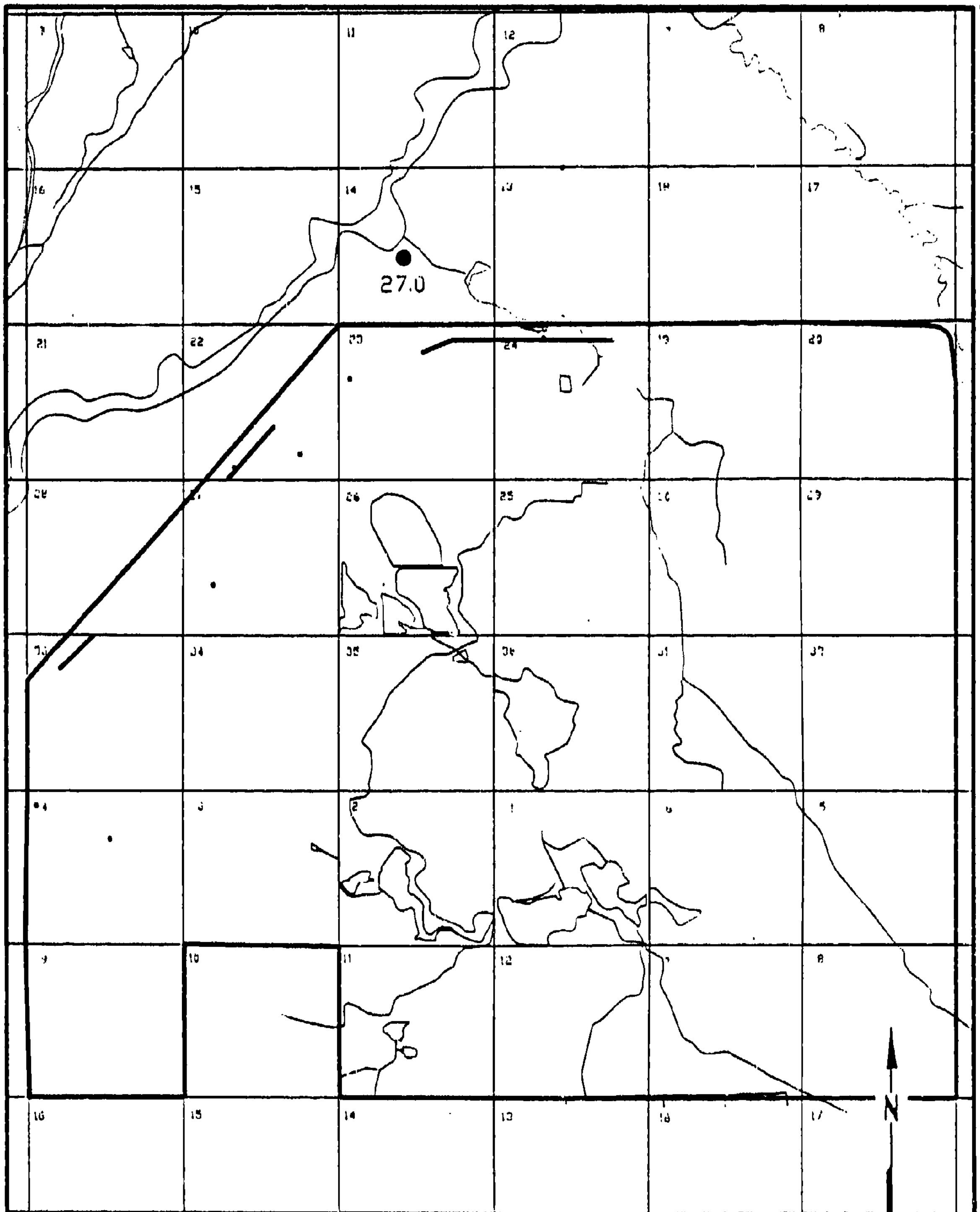


Figure D-147 DIMP DETECTIONS DENVER ZONE 3 3RD QUARTER FY 1987 SOURCE: Hunter/ESE, 1988	Prepared for: U.S. Army Program Manager's Office For Rocky Mountain Arsenal Aberdeen Proving Ground, Maryland



EXPLANATION

• Denver Well

172.00
Denver Detection, Units in ug/l.

▲ Unconfined Denver Formation Well

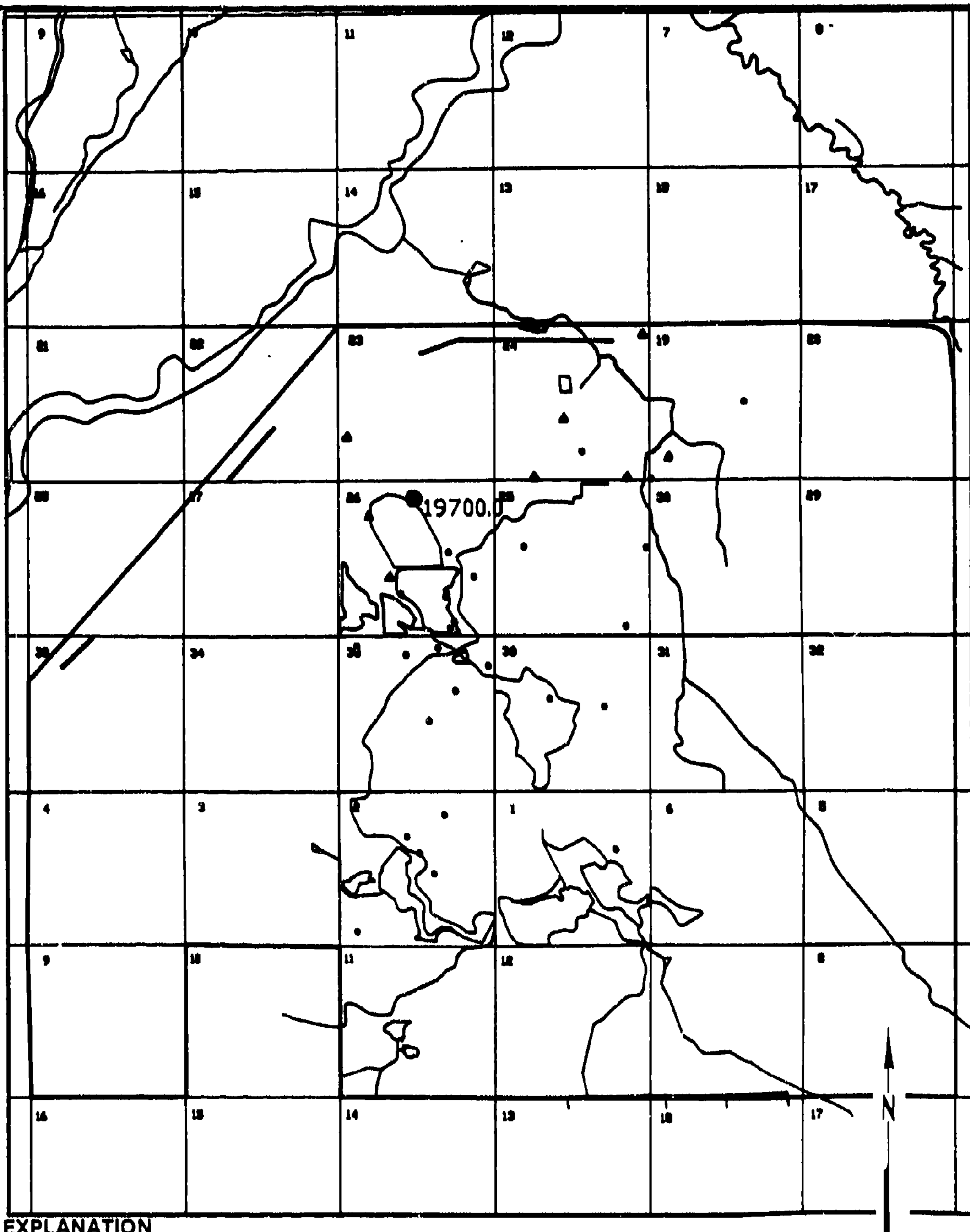
10.0
Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-148
DIMP DETECTIONS DENVER ZONE 5
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

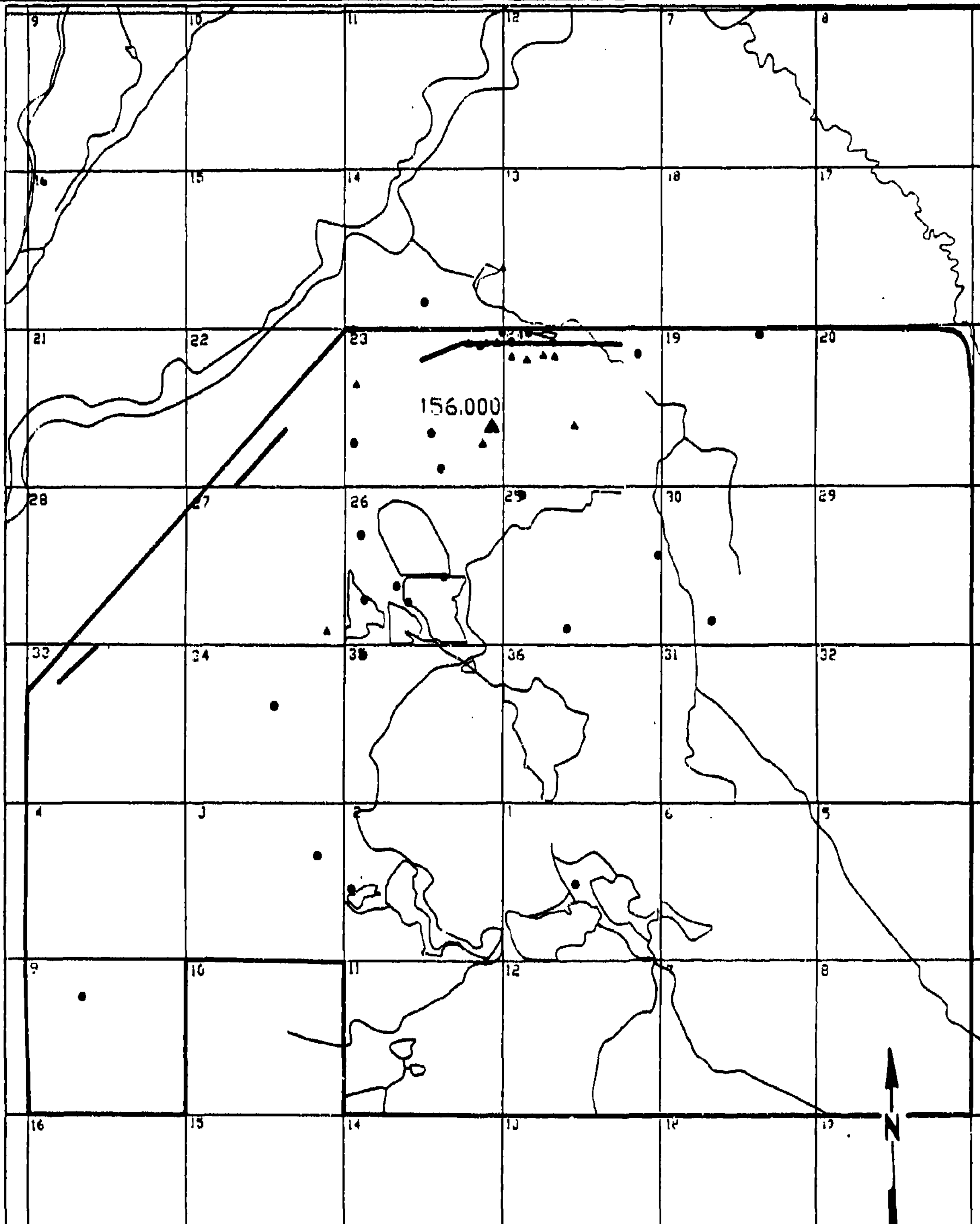
- • Denver Well
- 172.00 Denver Detection, Units in ug/l.
- ▲ Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

0 5000
Scale in Feet

Figure D-149
DMMP DETECTIONS DENVER ZONE 1
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

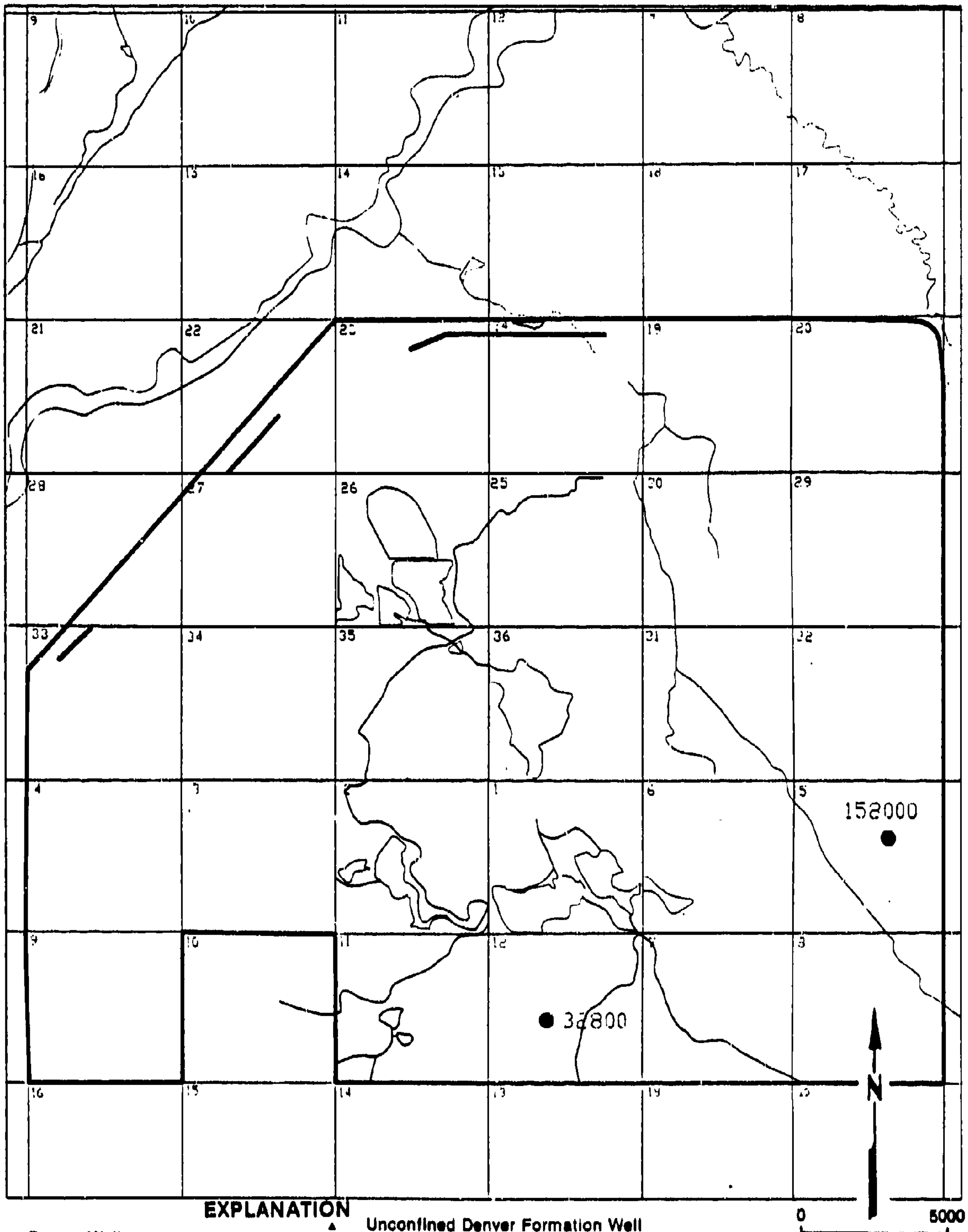


EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l
- ▴ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection Units in ug/l

0 5000
Scale In Feet

Figure D-150 DMMP DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987 SOURCE: Hunter/ESE, 1988	**Prepared for:** **U.S. Army Program Manager's Office For Rocky Mountain Arsenal** **Aberdeen Proving Ground, Maryland**



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection Units in ug/l

Figure D-151

CHLORIDE DETECTIONS DENVER ZONE B, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

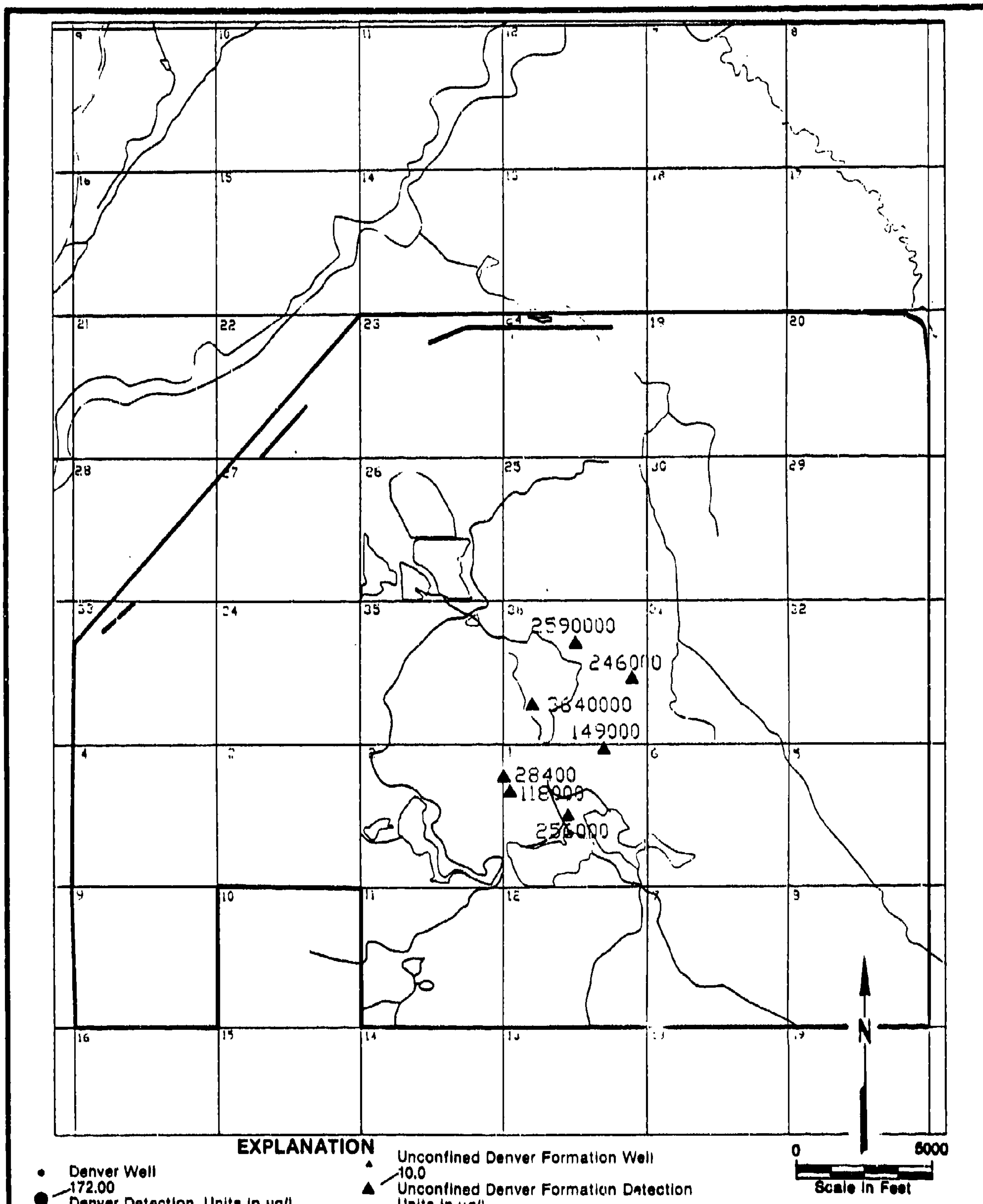


Figure D-152

CHLORIDE DETECTIONS DENVER ZONE
VC/VCE, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

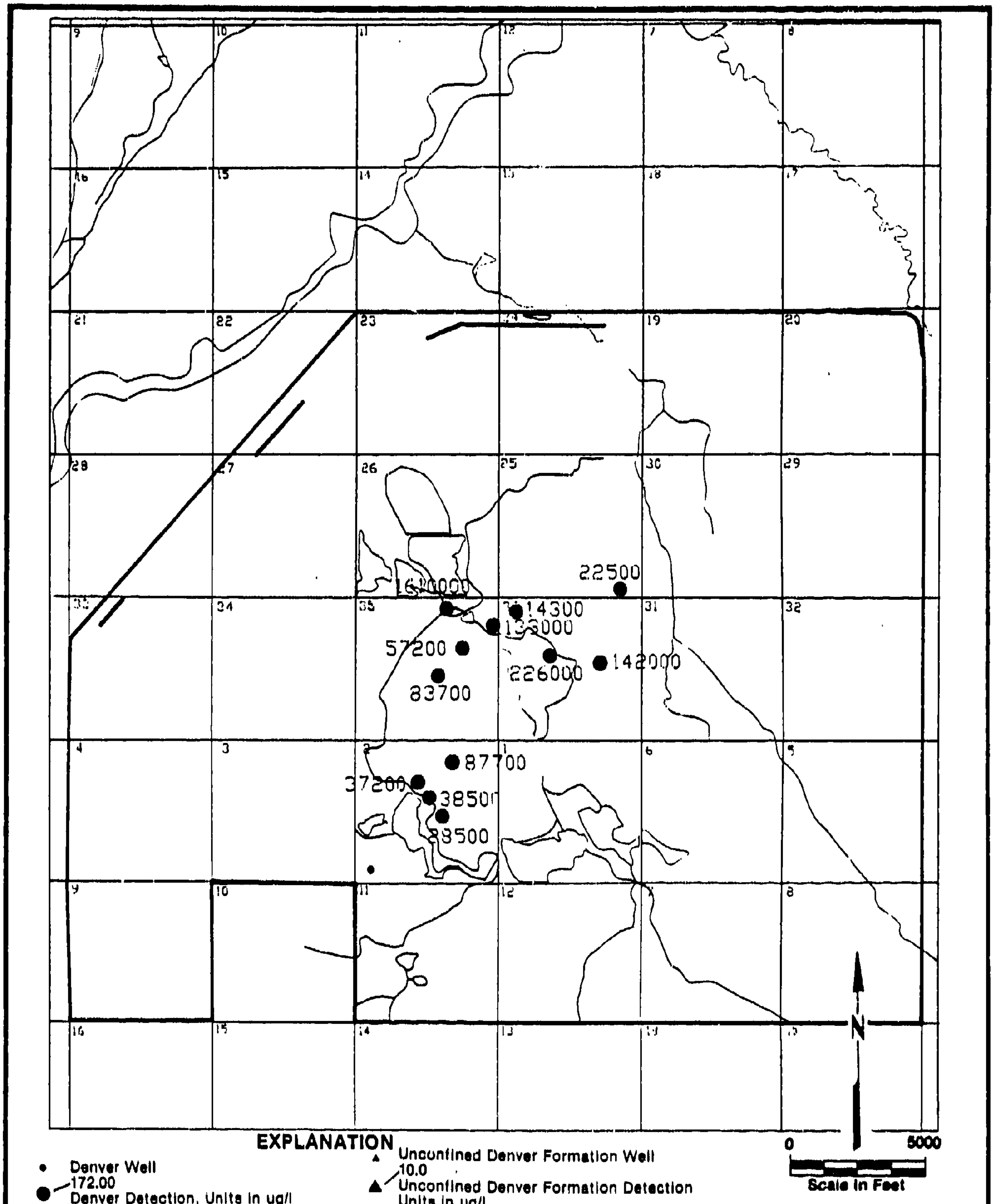


Figure D-153

CHLORIDE DETECTIONS DENVER ZONE 1U, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

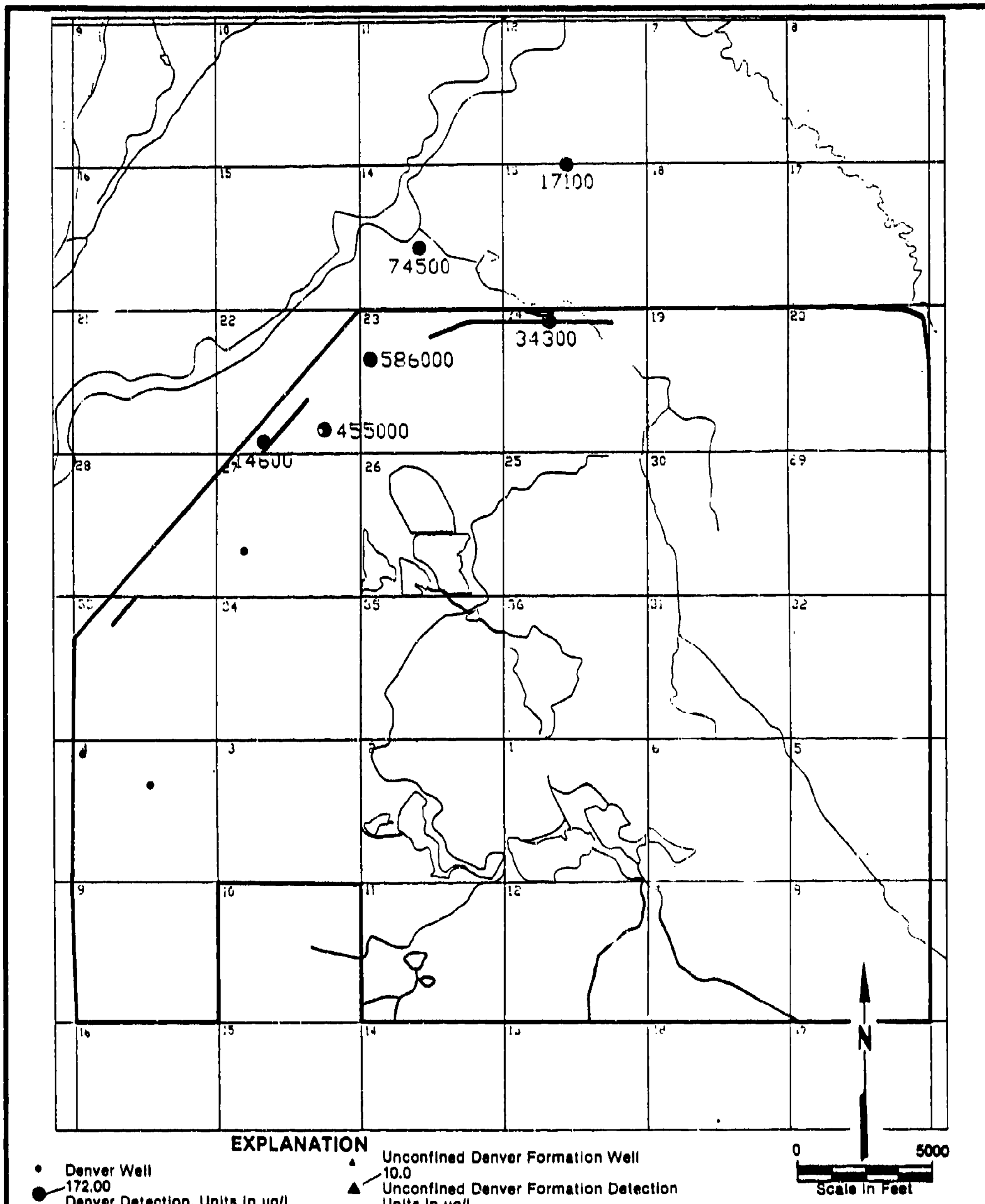


Figure D-154

CHLORIDE DETECTIONS DENVER ZONE 5, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

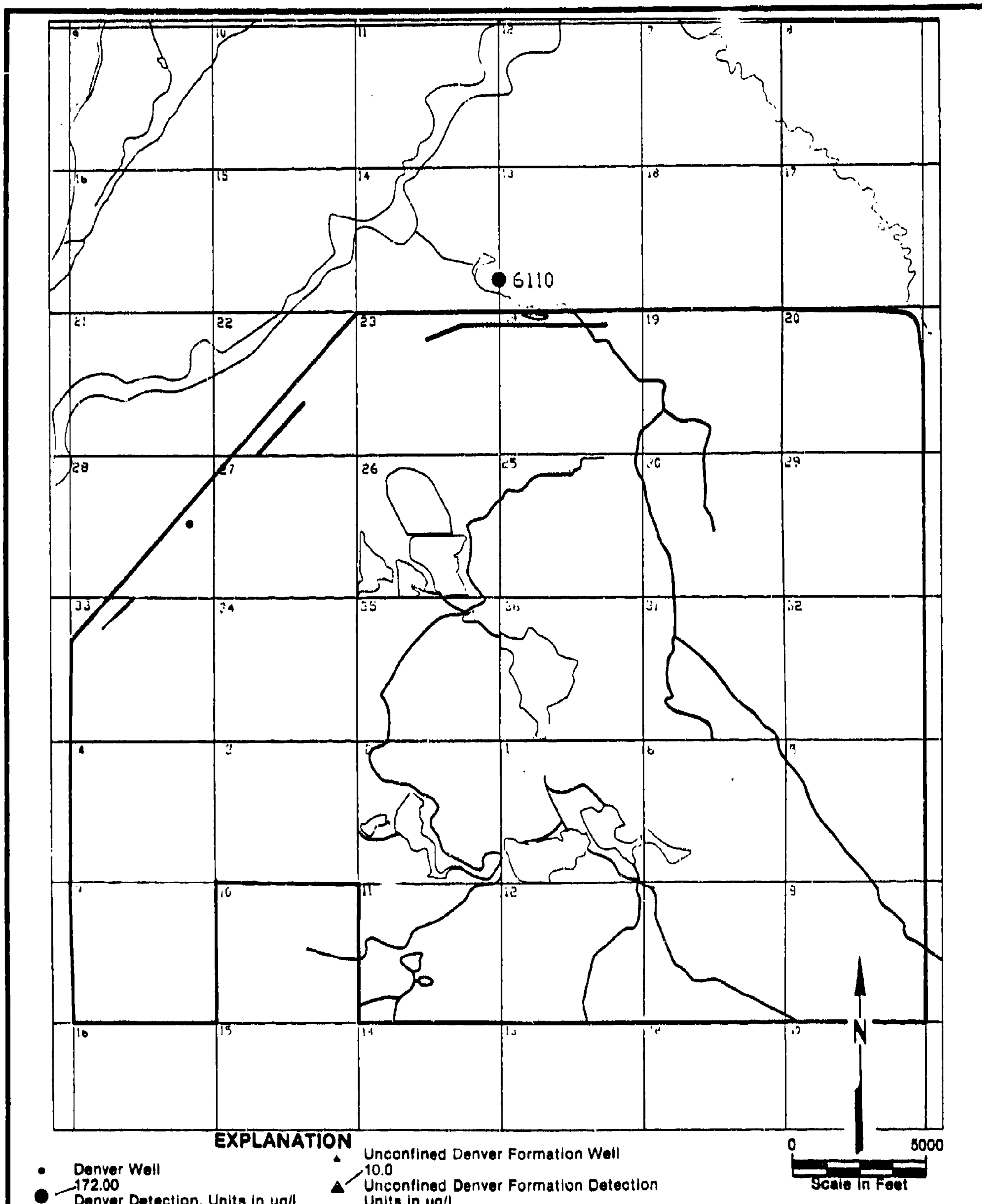
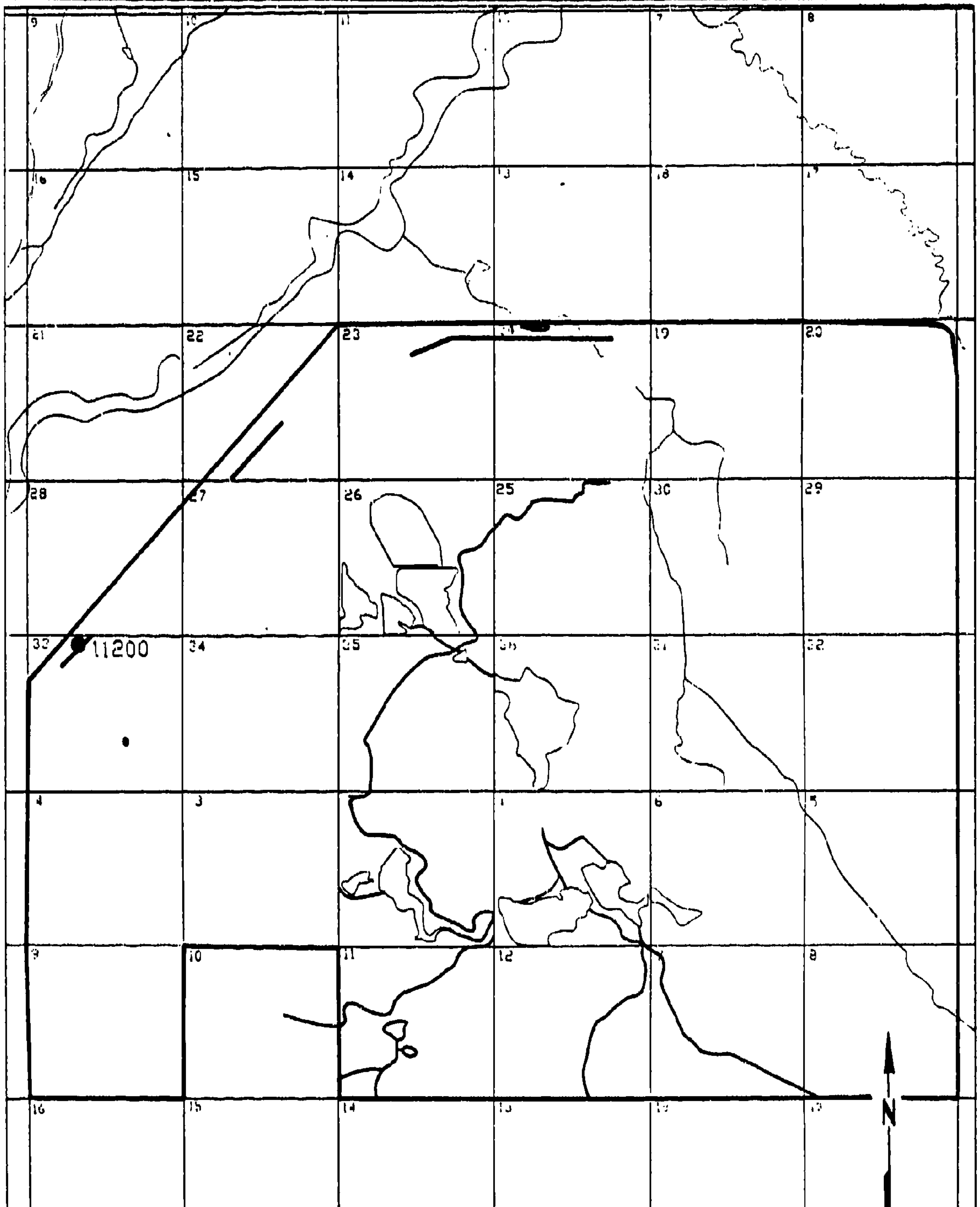


Figure D-155

CHLORIDE DETECTIONS DENVER ZONE 6, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

• Denver Well

172.00 Denver Detection, Units in ug/l

▲ Unconfined Denver Formation Well

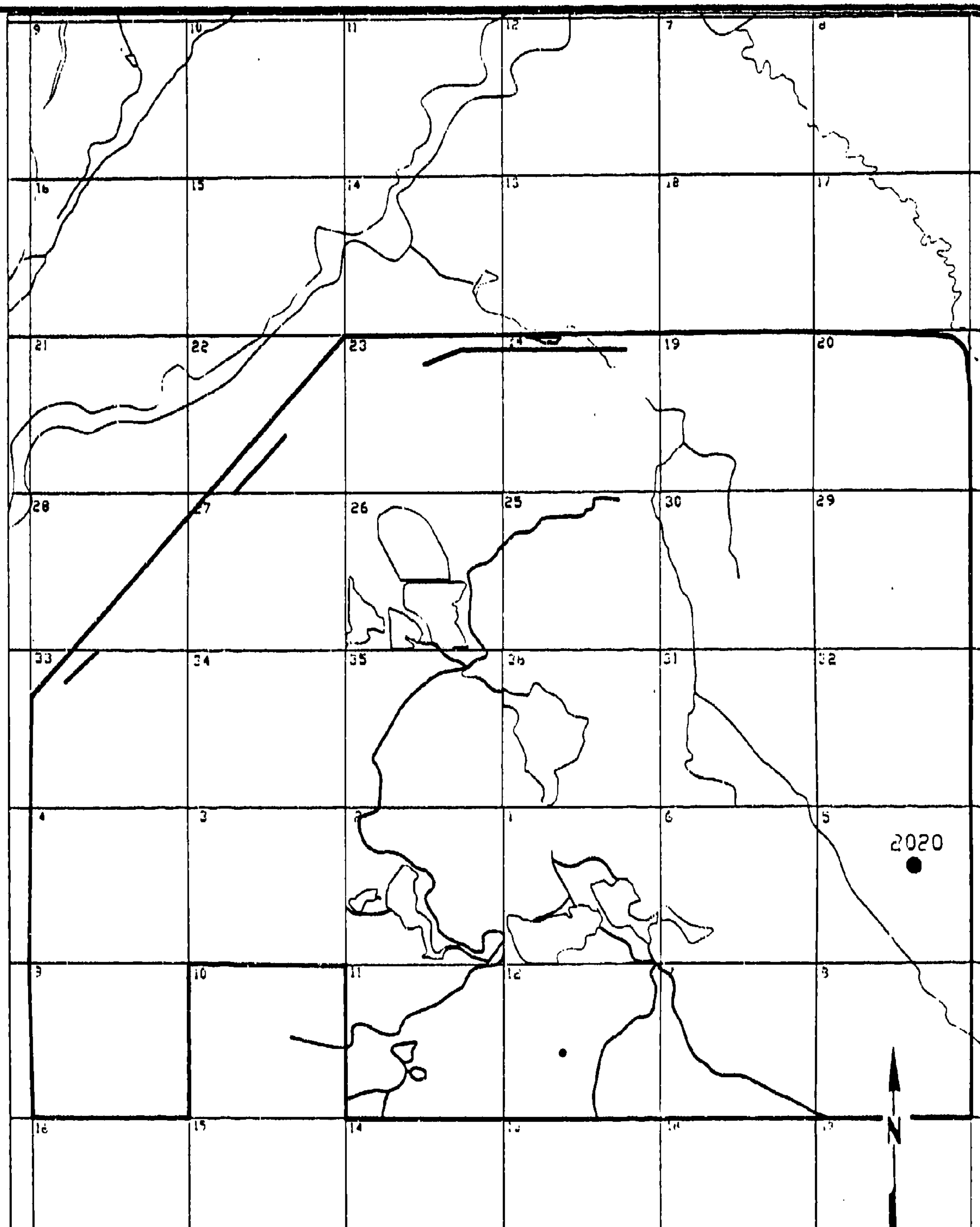
10.0 Unconfined Denver Formation Detection Units in ug/l

Figure D-156

CHLORIDE DETECTIONS DENVER ZONE 7, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection Units in ug/l

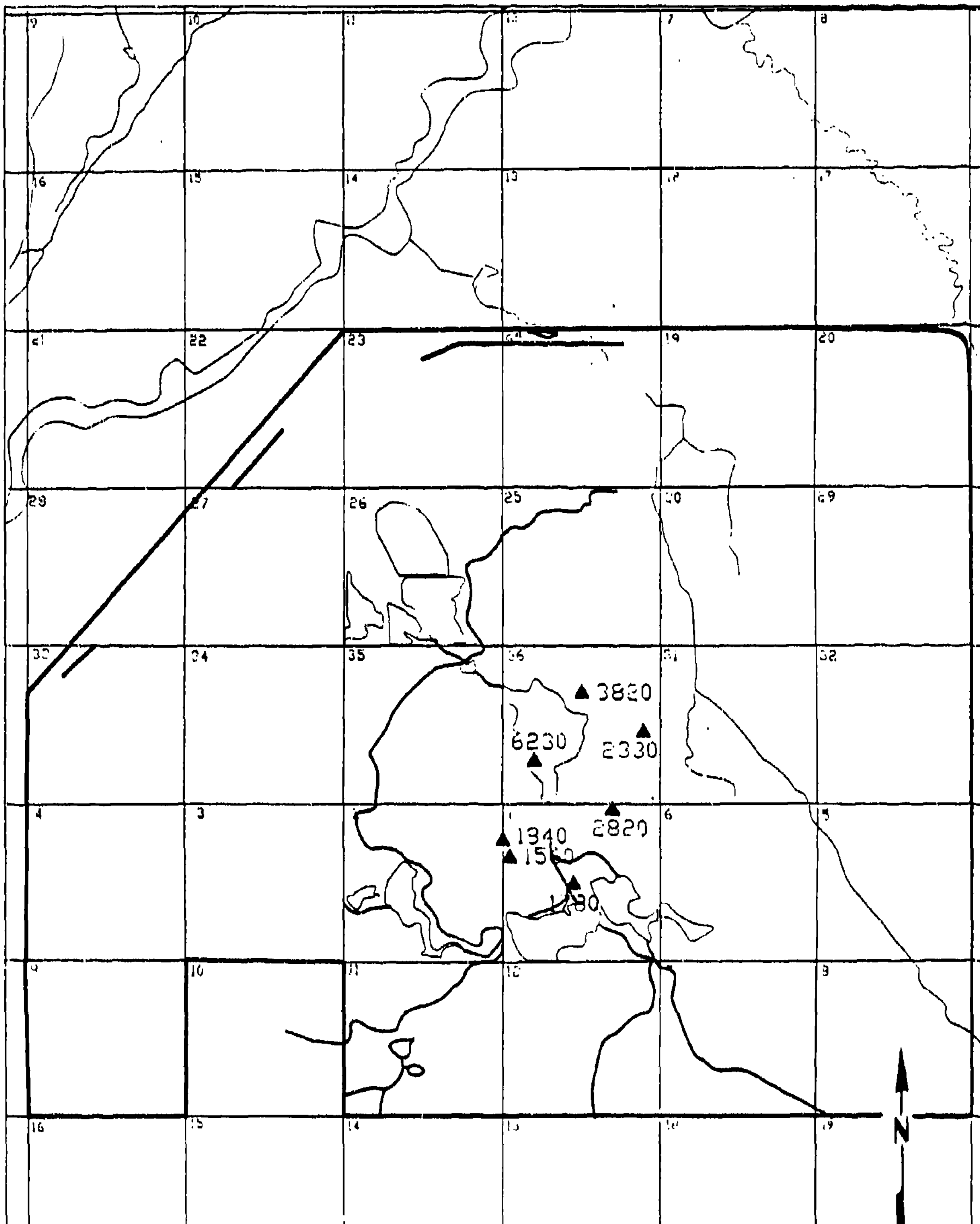
0 5000
Scale in Feet

Figure D-157

FLUORIDE DETECTIONS DENVER ZONE B, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- • Denver Well
- ● 172.00 Denver Detection, Units in ug/l
- ▲ Unconfined Denver Formation Well
- ▲ 10.0 Unconfined Denver Formation Detection Units in ug/l

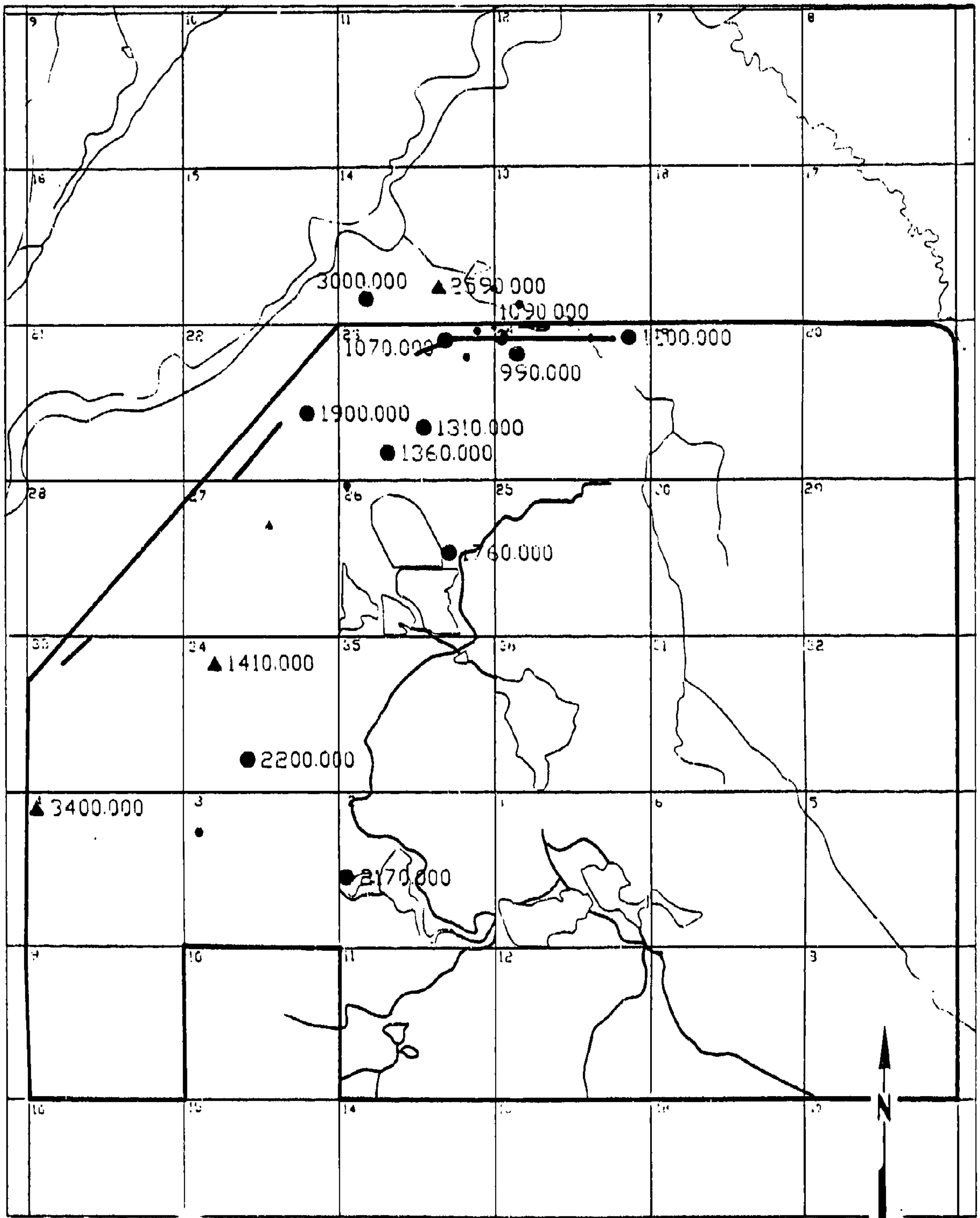
0 5000 Scale in Feet

Figure D-158

FLUORIDE DETECTIONS DENVER ZONE VC/VCE, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection Units in ug/l

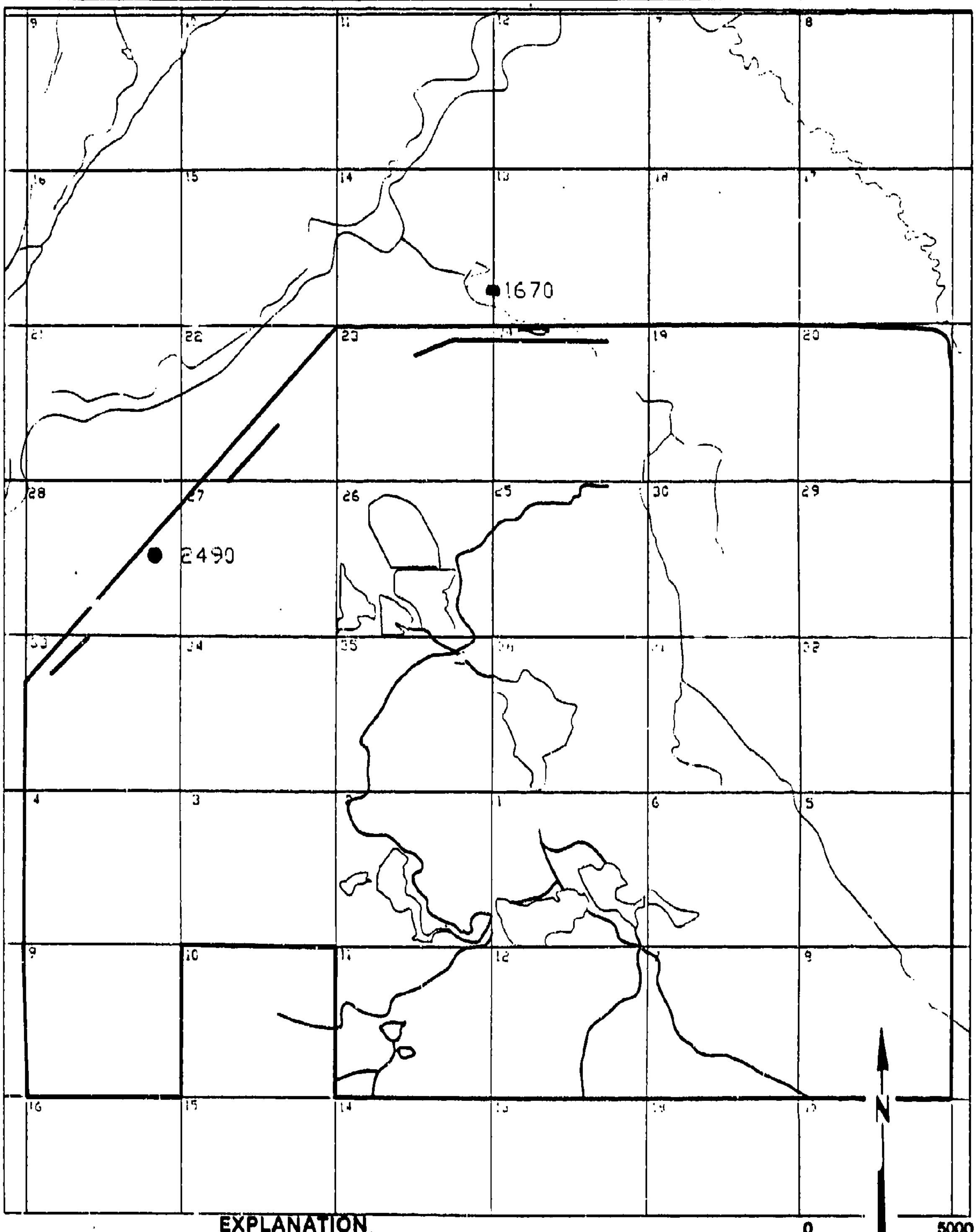
0 5000
Scale in Feet

Figure D-159

FLUORIDE DETECTIONS DENVER ZONE 3, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

• Denver Well

● 172.00 Denver Detection, Units in ug/l

▲ Unconfined Denver Formation Well

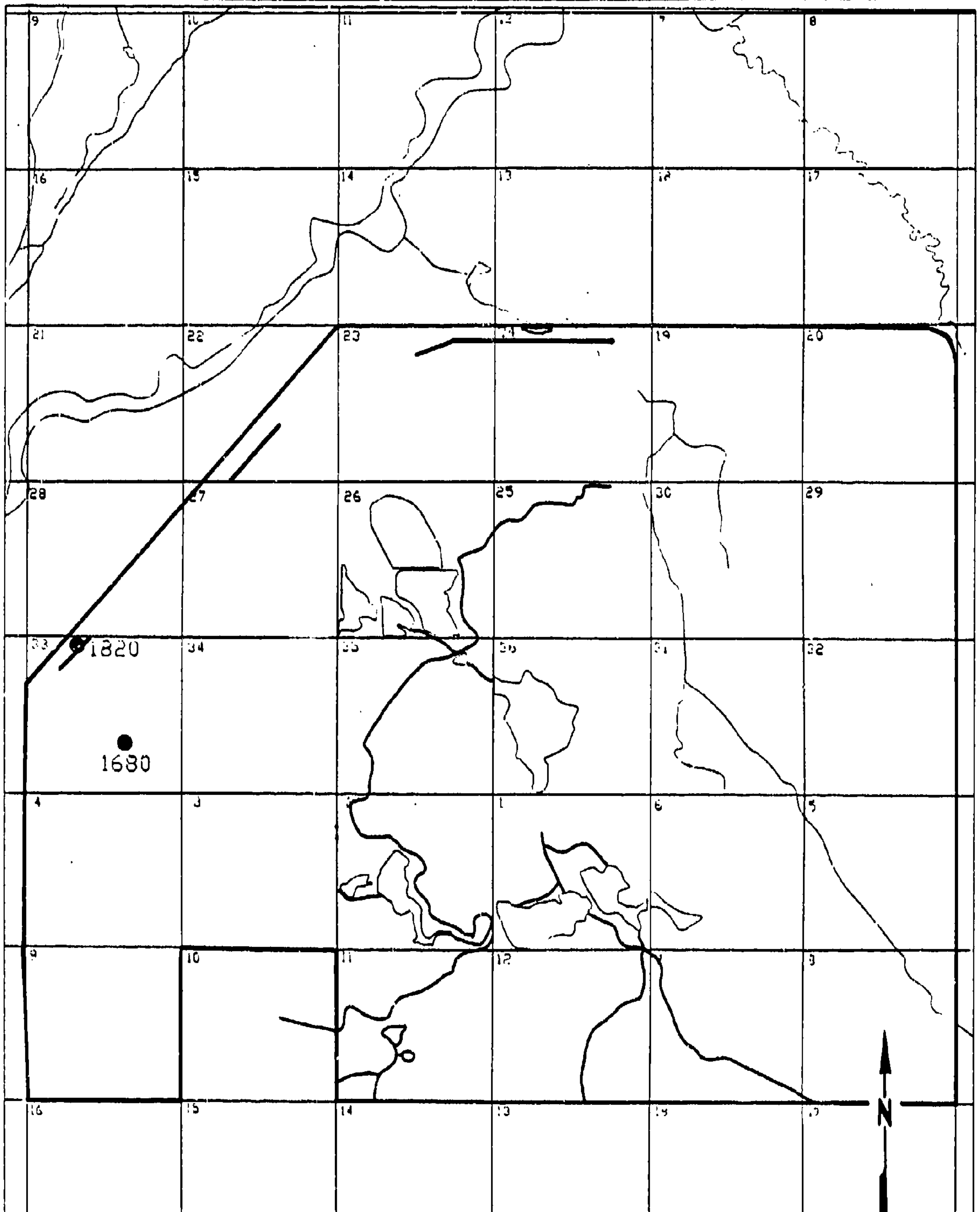
▲ 10.0 Unconfined Denver Formation Detection Units in ug/l

Figure D-160

FLUORIDE DETECTIONS DENVER ZONE 6, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection Units in ug/l

Figure D-161

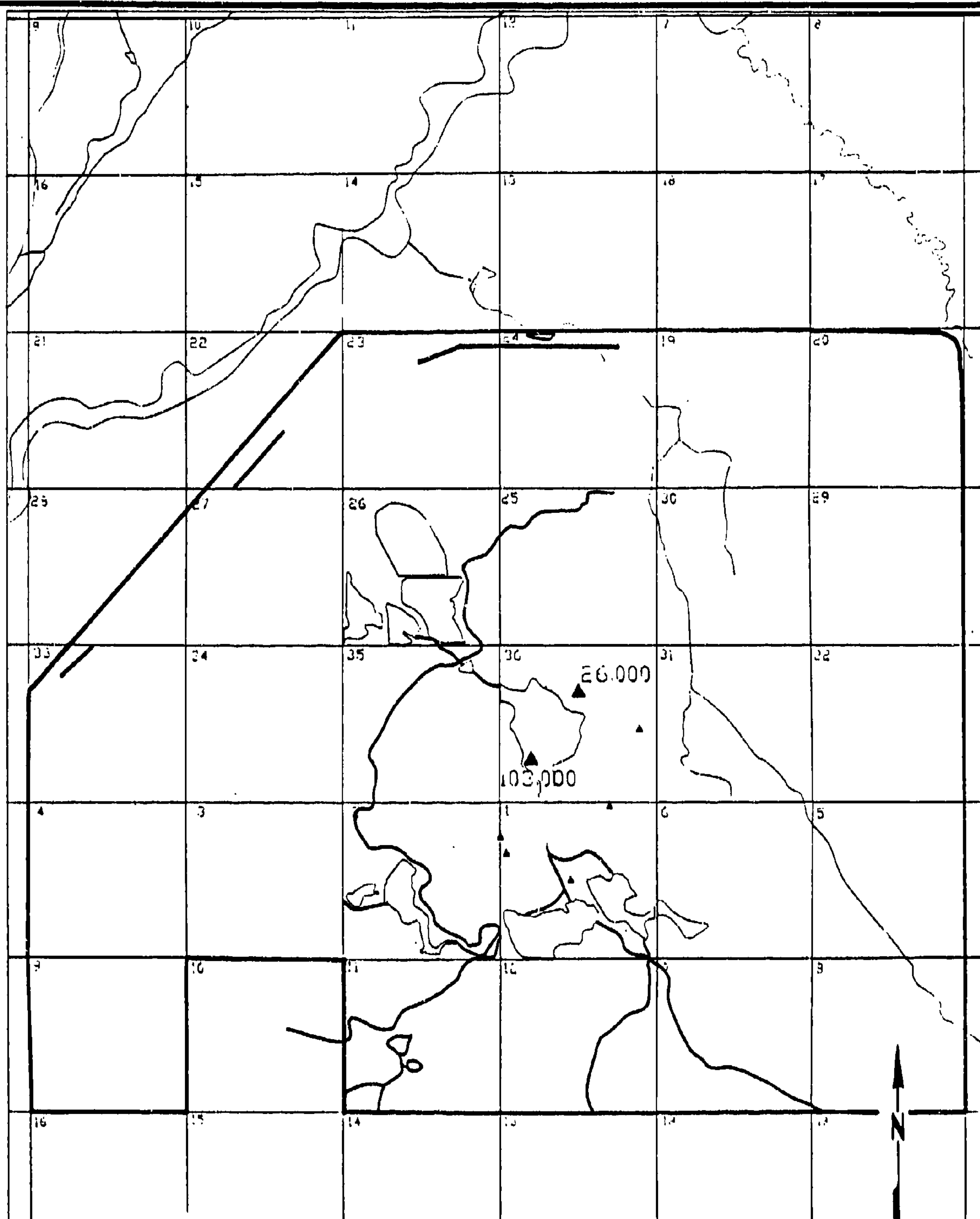
FLUORIDE DETECTIONS DENVER ZONE 7, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



EXPLANATION

• Denver Well
● 172.00 Denver Detection, Units in ug/l

▲ Unconfined Denver Formation Well
▲ 10.0 Unconfined Denver Formation Detection Units in ug/l

Figure D-162

ARSENIC DETECTIONS DENVER ZONE VC/VCE, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

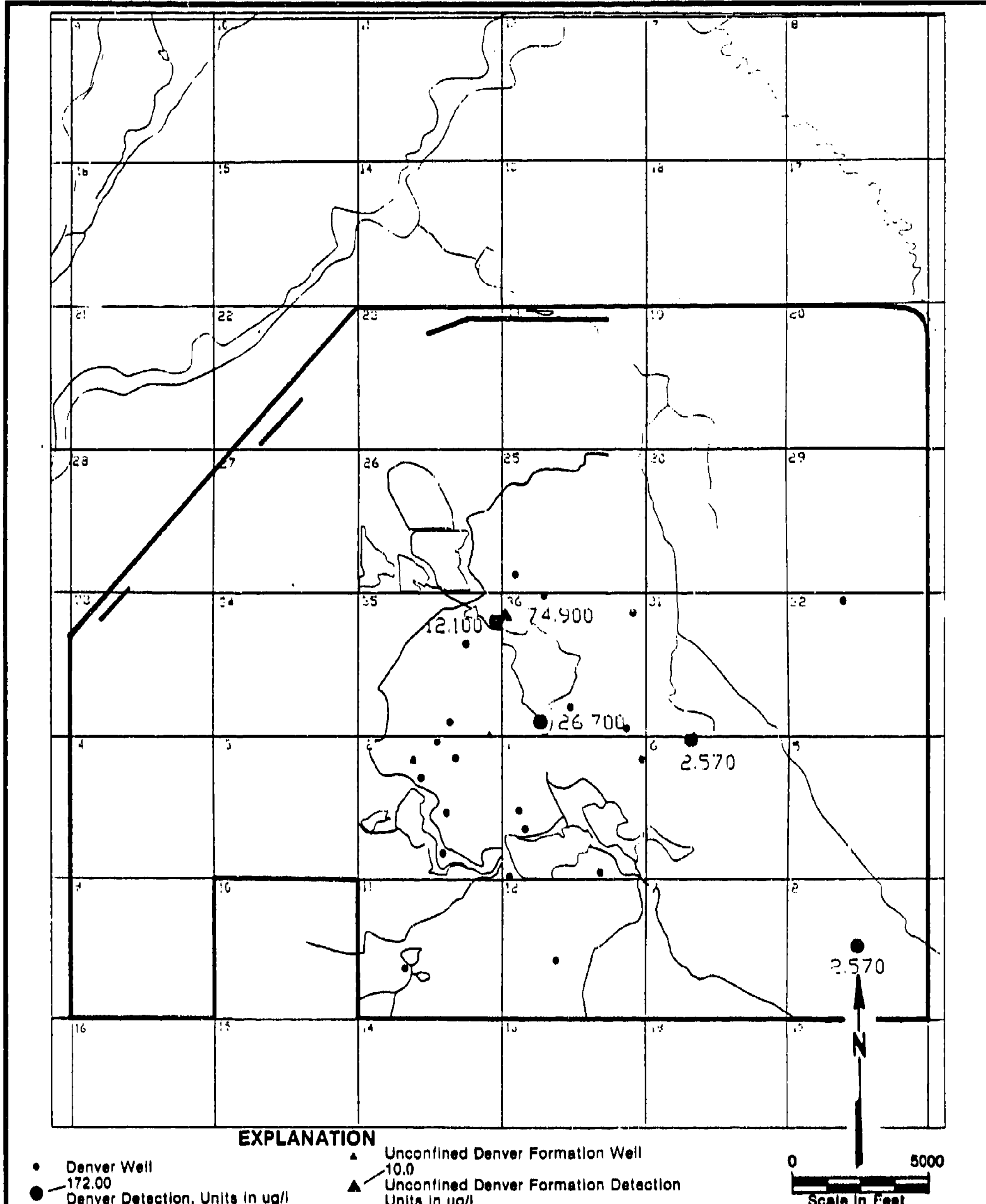
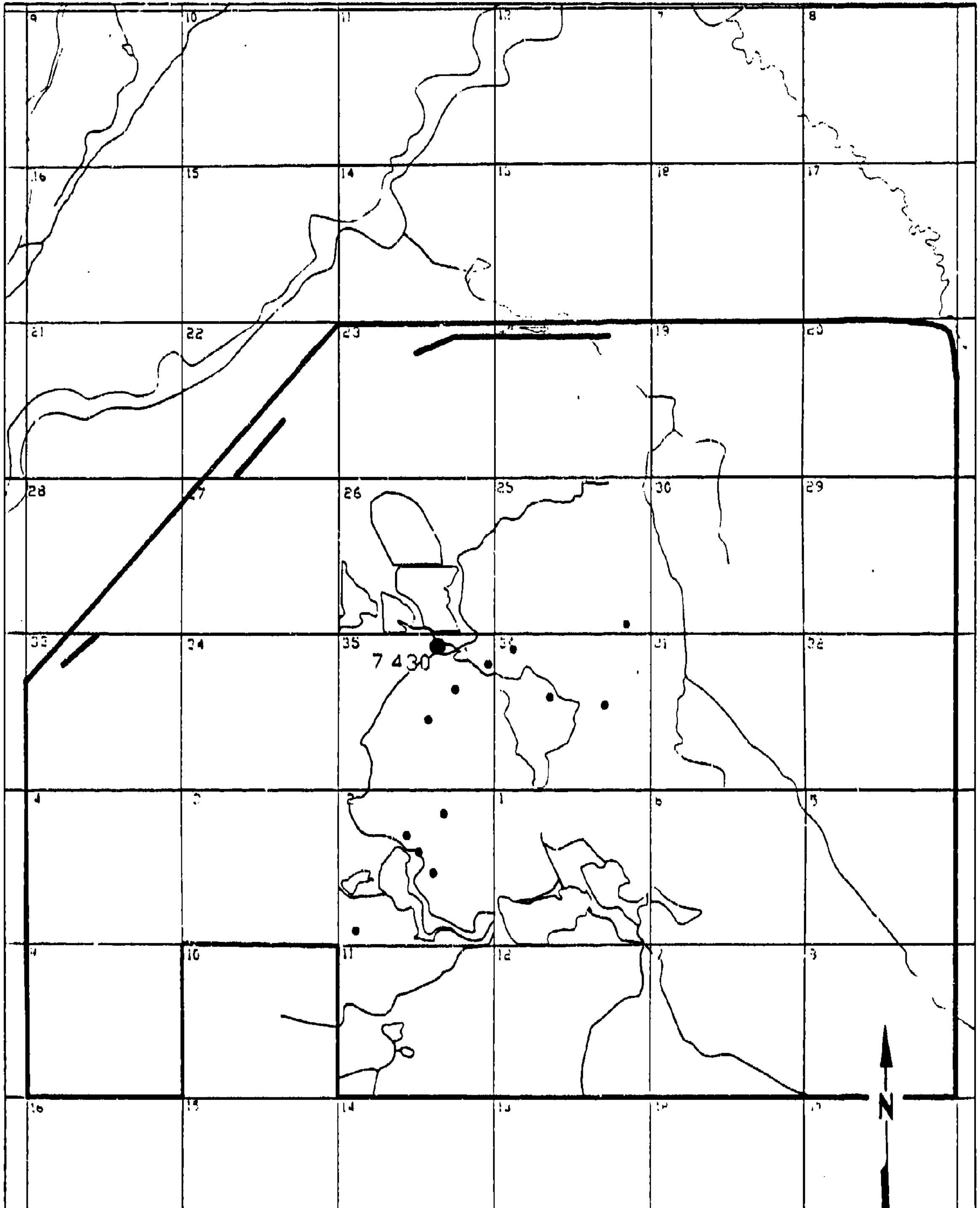


Figure D-163

ARSENIC DETECTIONS DENVER ZONE A, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection Units in ug/l

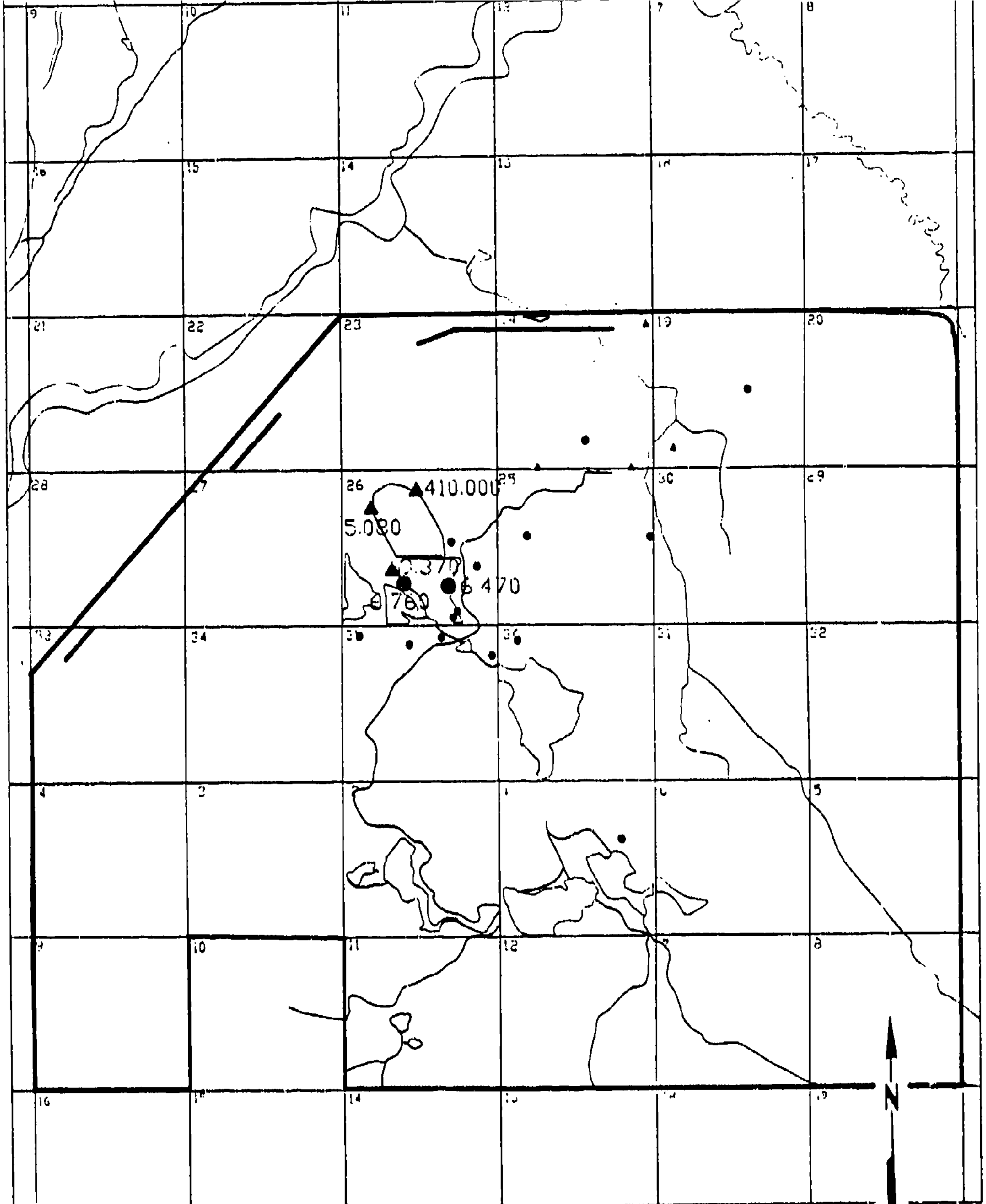
0 5000
Scale in Feet

Figure D-164

ARSENIC DETECTIONS DENVER ZONE 1U, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection Units in ug/l

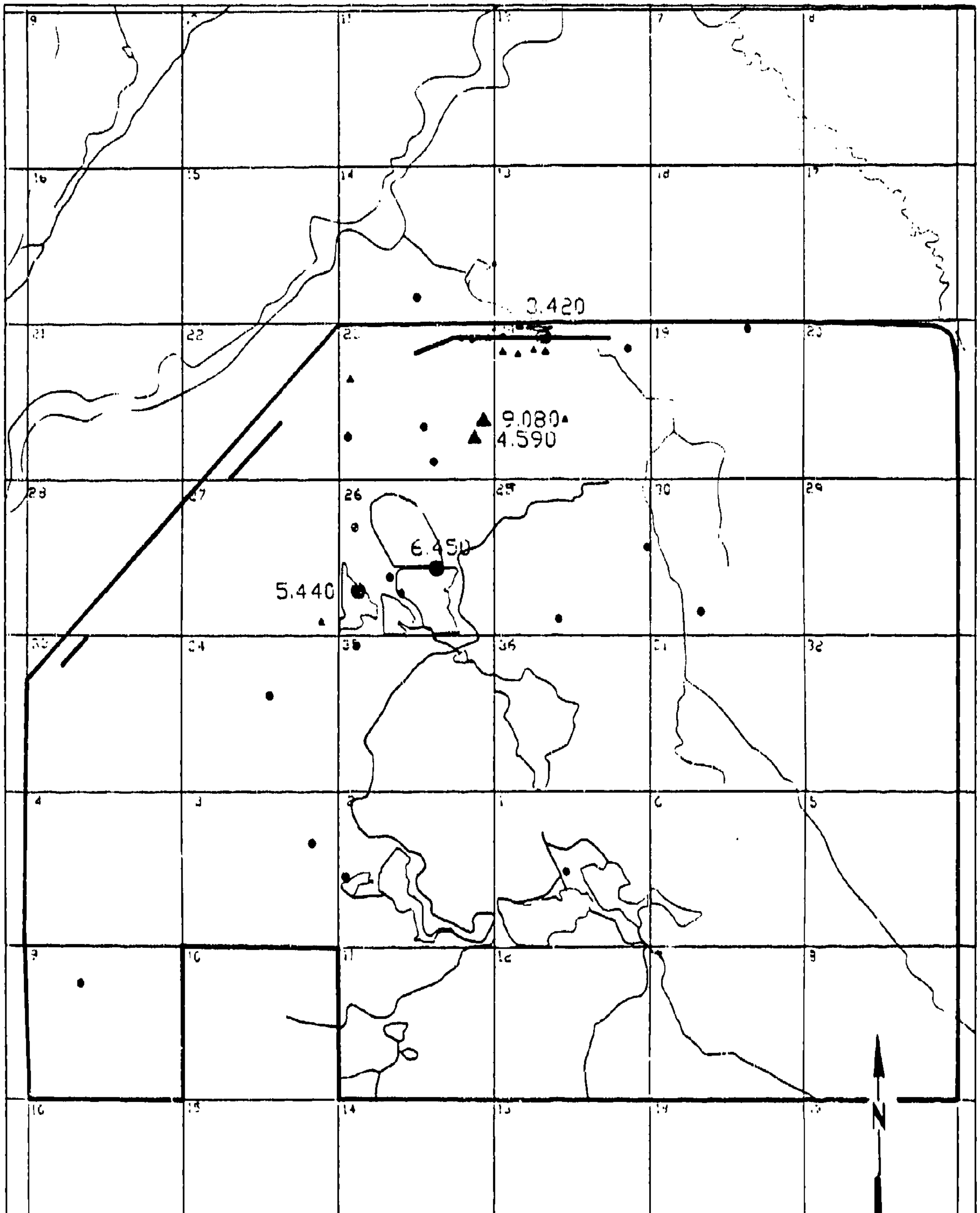
0 5000
Scale in Feet

Figure D-165

ARSENIC DETECTIONS DENVER ZONE 1, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

• Denver Well

● 172.00 Denver Detection, Units in ug/l

▲ Unconfined Denver Formation Well

▲ 10.0 Unconfined Denver Formation Detection Units in ug/l

Figure D-166

ARSENIC DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

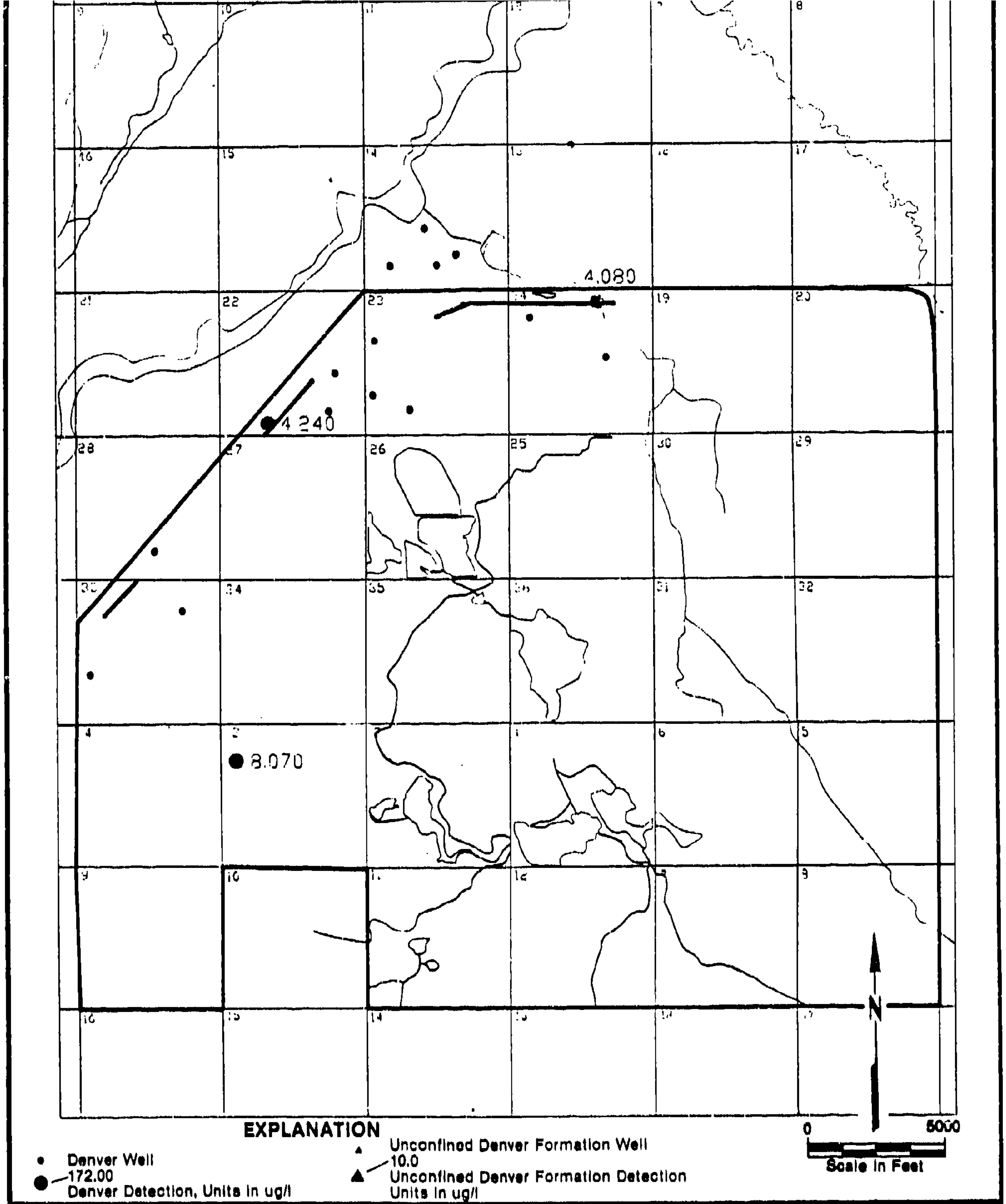
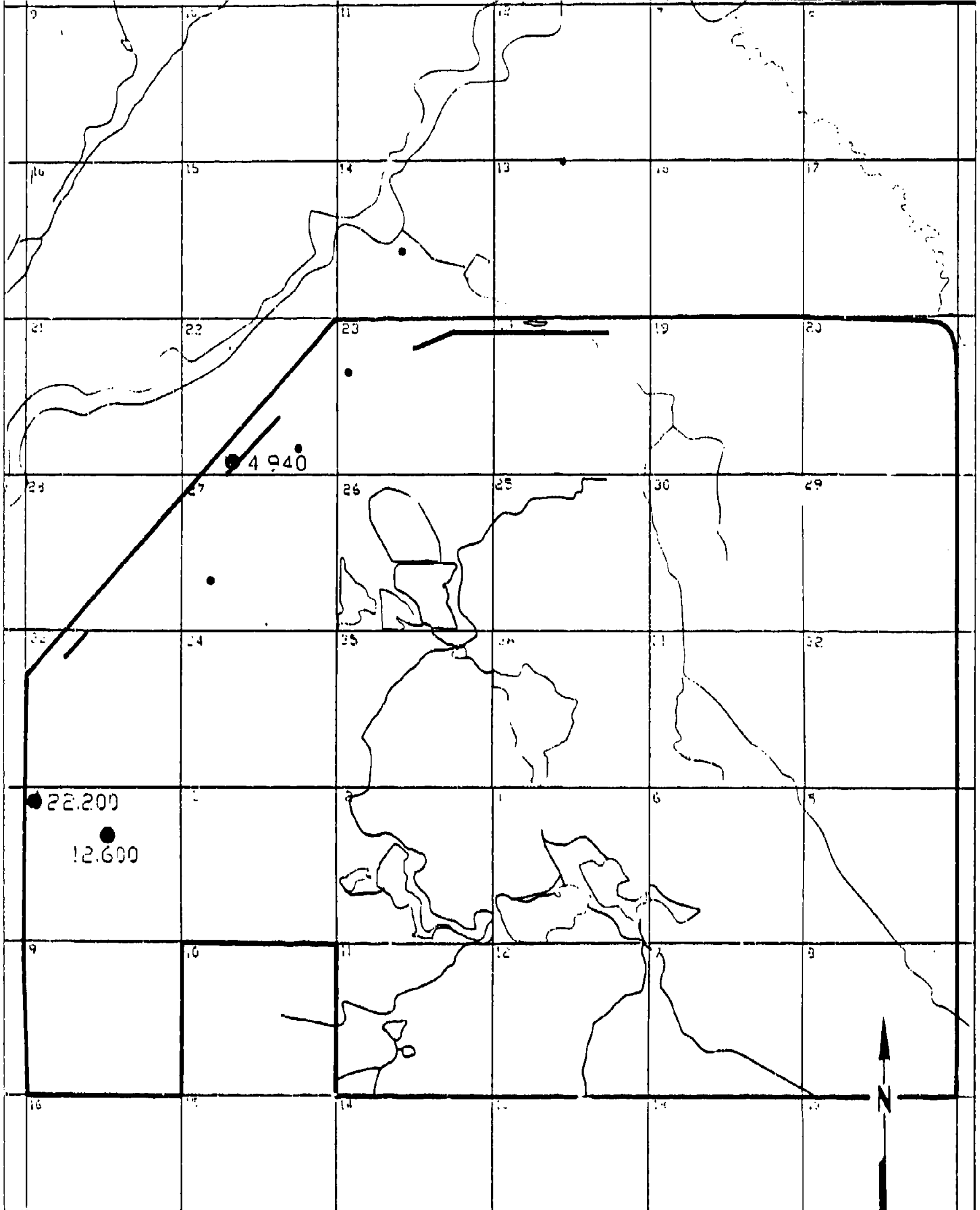


Figure D-167

ARSENIC DETECTIONS DENVER ZONE 4, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection Units in ug/l

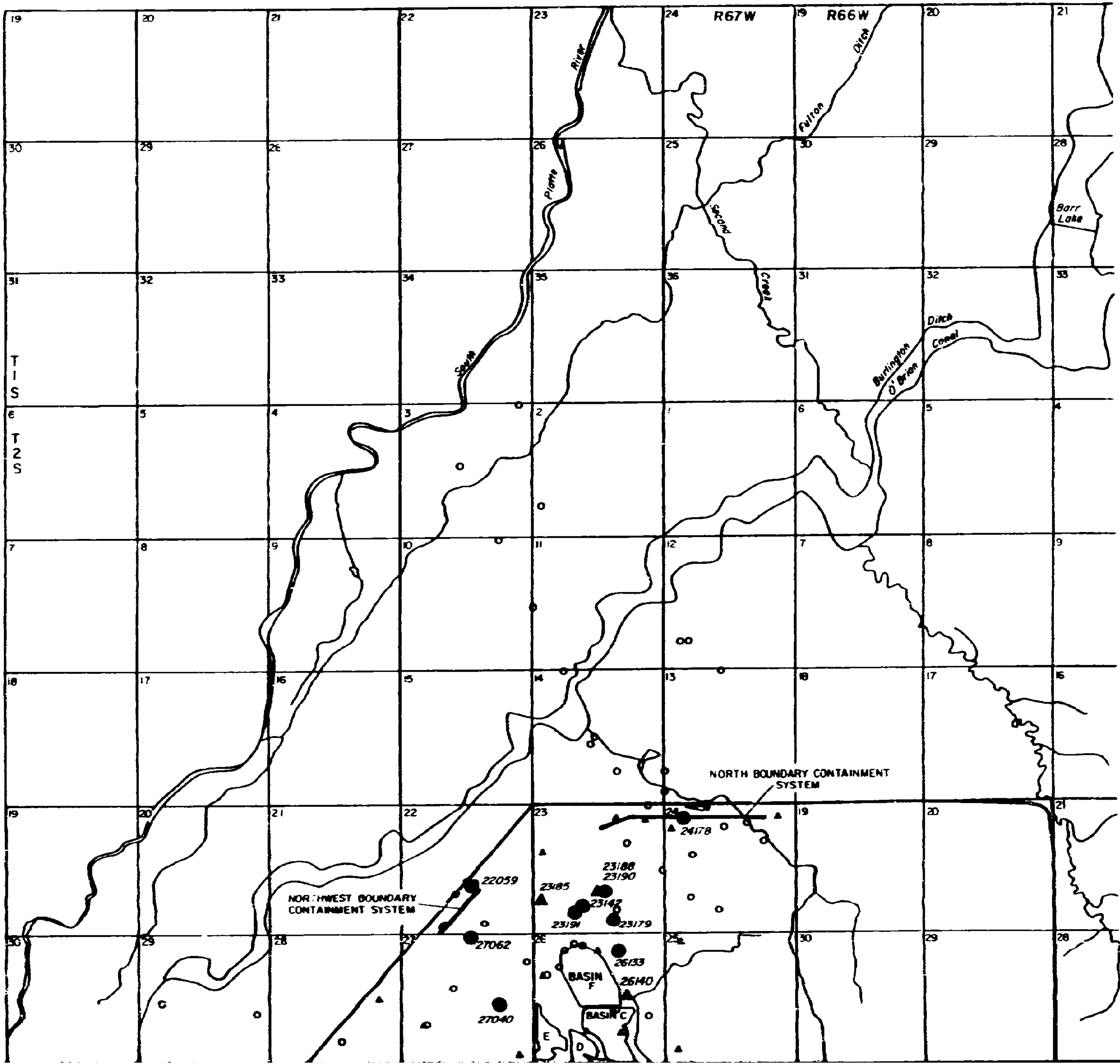
Figure D-168

ARSENIC DETECTIONS DENVER ZONE 5, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

APPENDIX D.6: TASK 4/44 GC/MS ANALYSIS
NETWORK DETECTION (D-169 TO D-188)


R67W
R66W
T 1 S
T 2 S
South Platte River
Fulton Ditch
Second Creek
Burlington Ditch
O'Brian Canal
Barr Lake
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
BASIN F
BASIN C
D
E
24178
23188
23190
23185
23142
23191
23179
22059
27062
26133
26140
27040

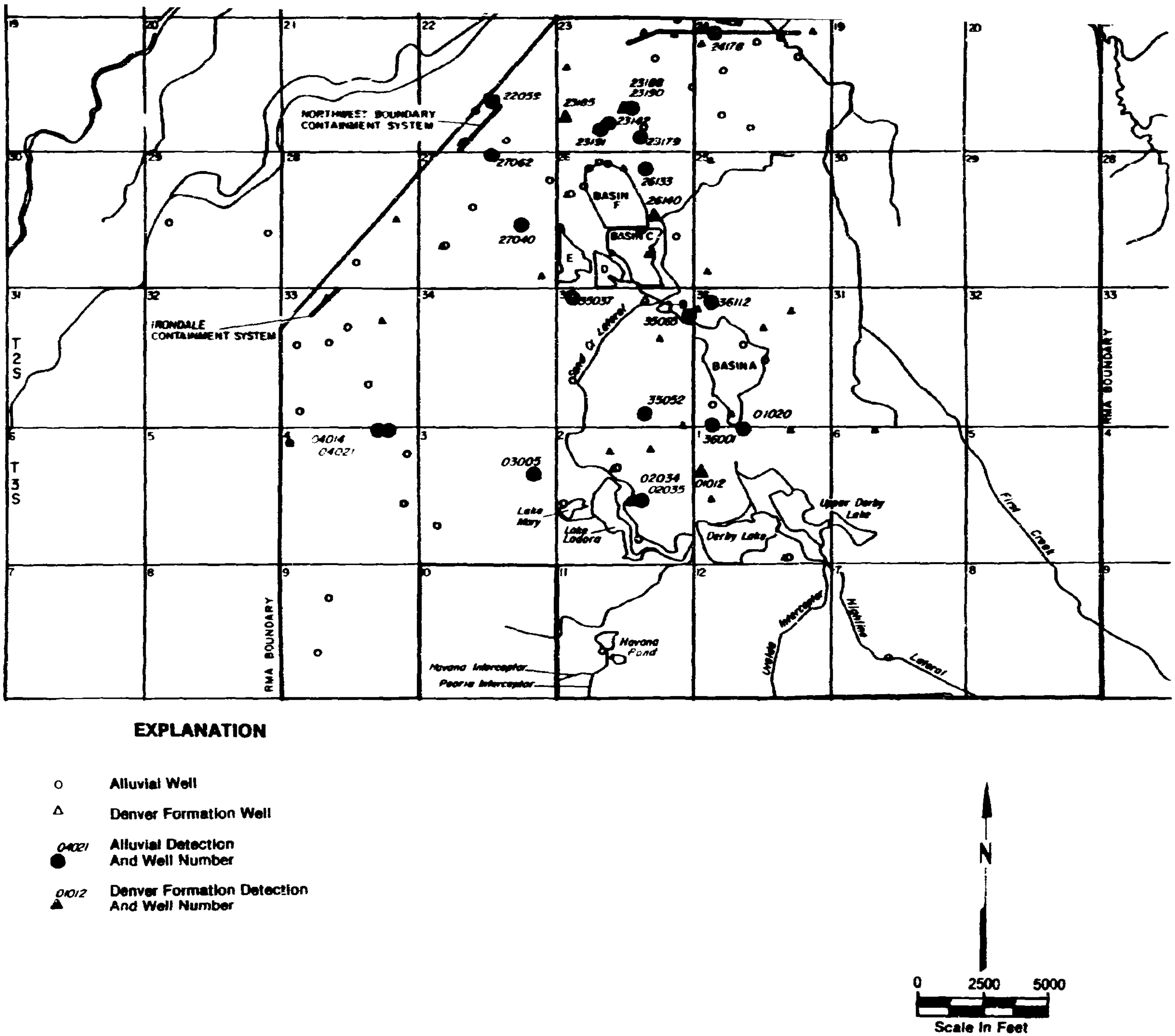


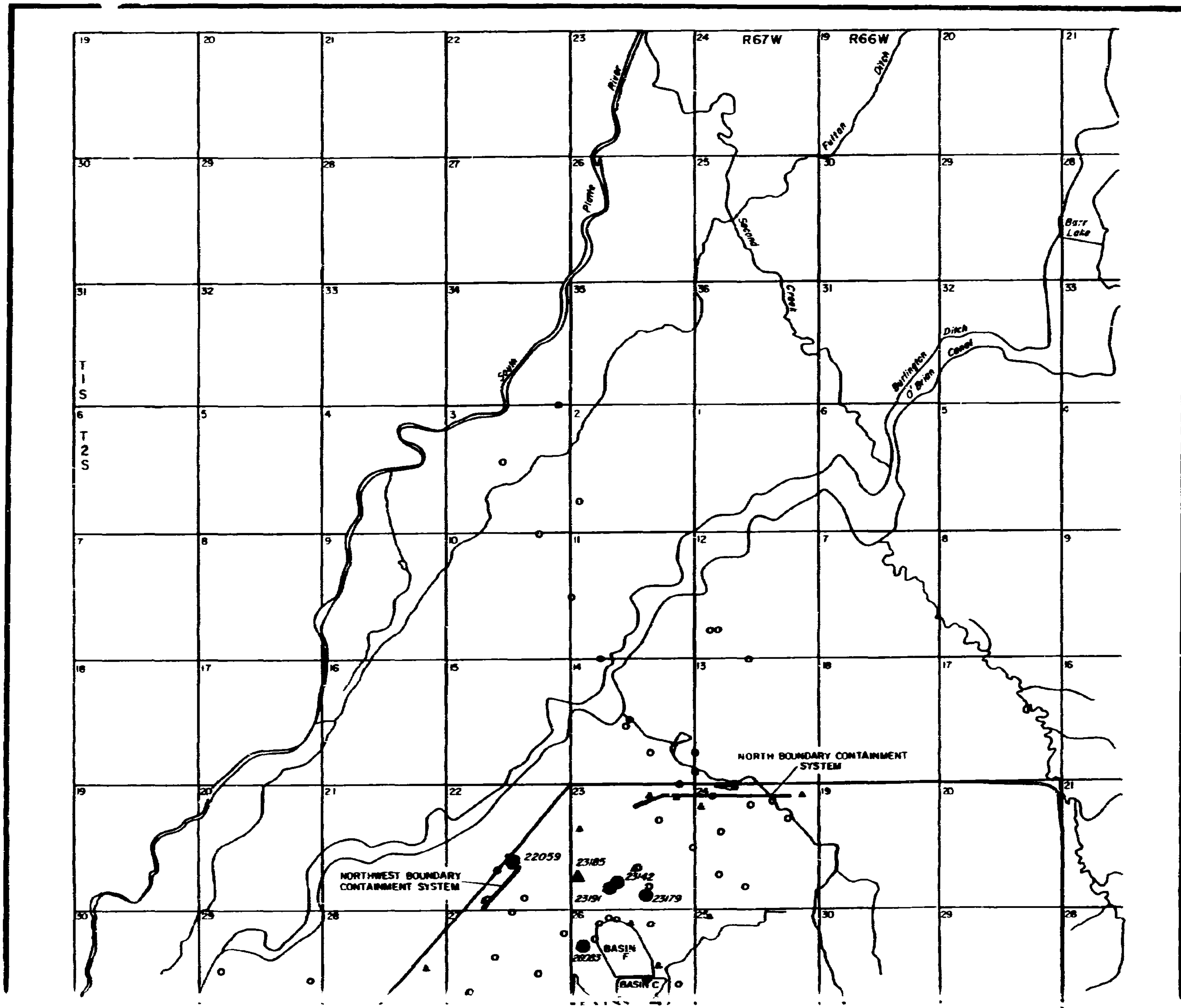
Figure D-169

TASK 4/44 GC/MS ANALYSIS NETWORK, 1,1,2,2-TETRACHLOROETHANE DETECTIONS

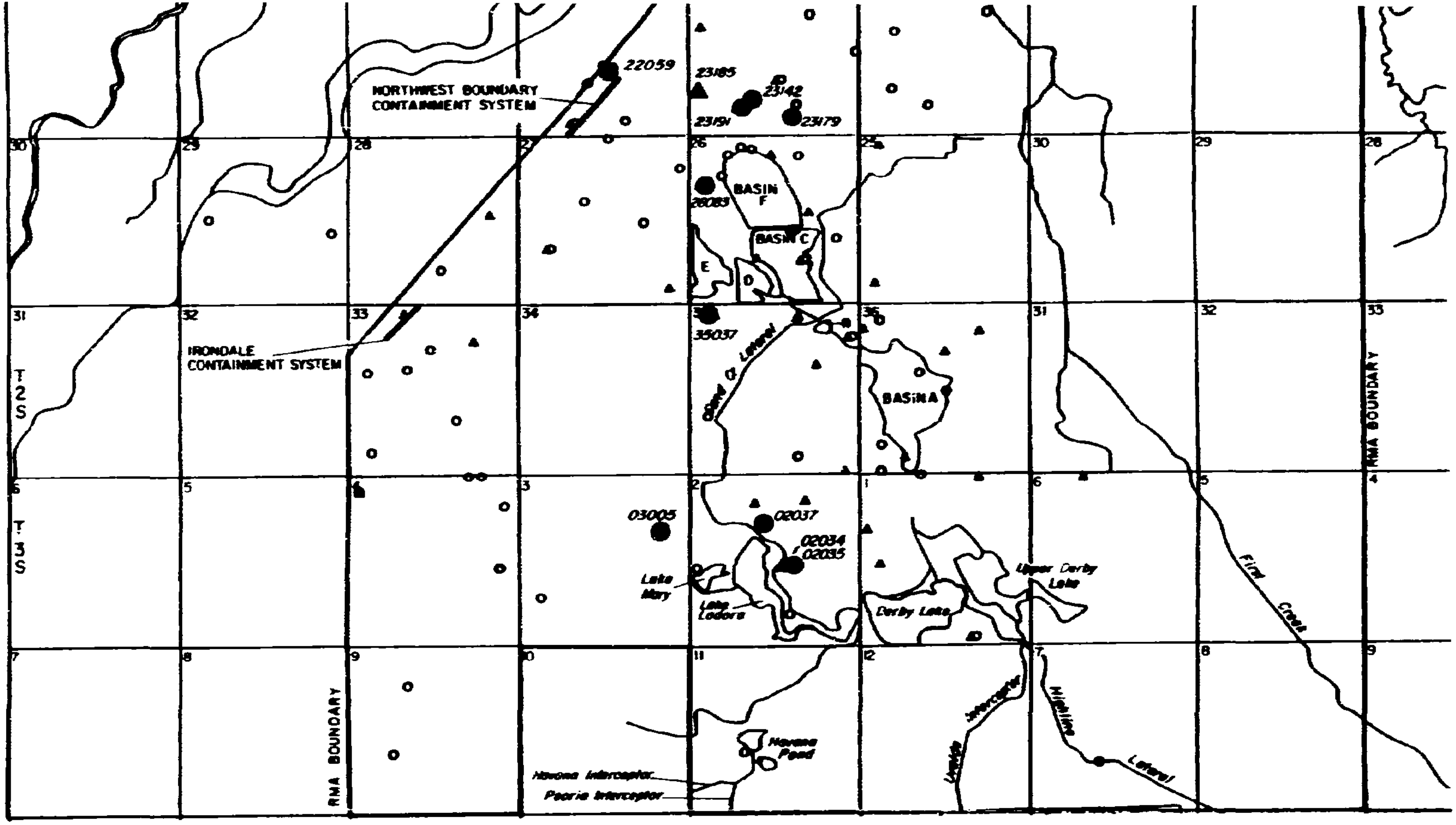
SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



R67W
R66W
T 1 S
T 2 S
South Platte River
Fulton Ditch
Second Creek
Barr Lake
Burlington Ditch
O'Brian Canal
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
BASIN F
BASIN C
22059
23185
23142
23191
23179
28283



EXPLANATION

- o Alluvial Well
- Δ Denver Formation Well
- ● 03005 Alluvial Detection And Well Number
- ▲ 23185 Denver Formation Detection And Well Number

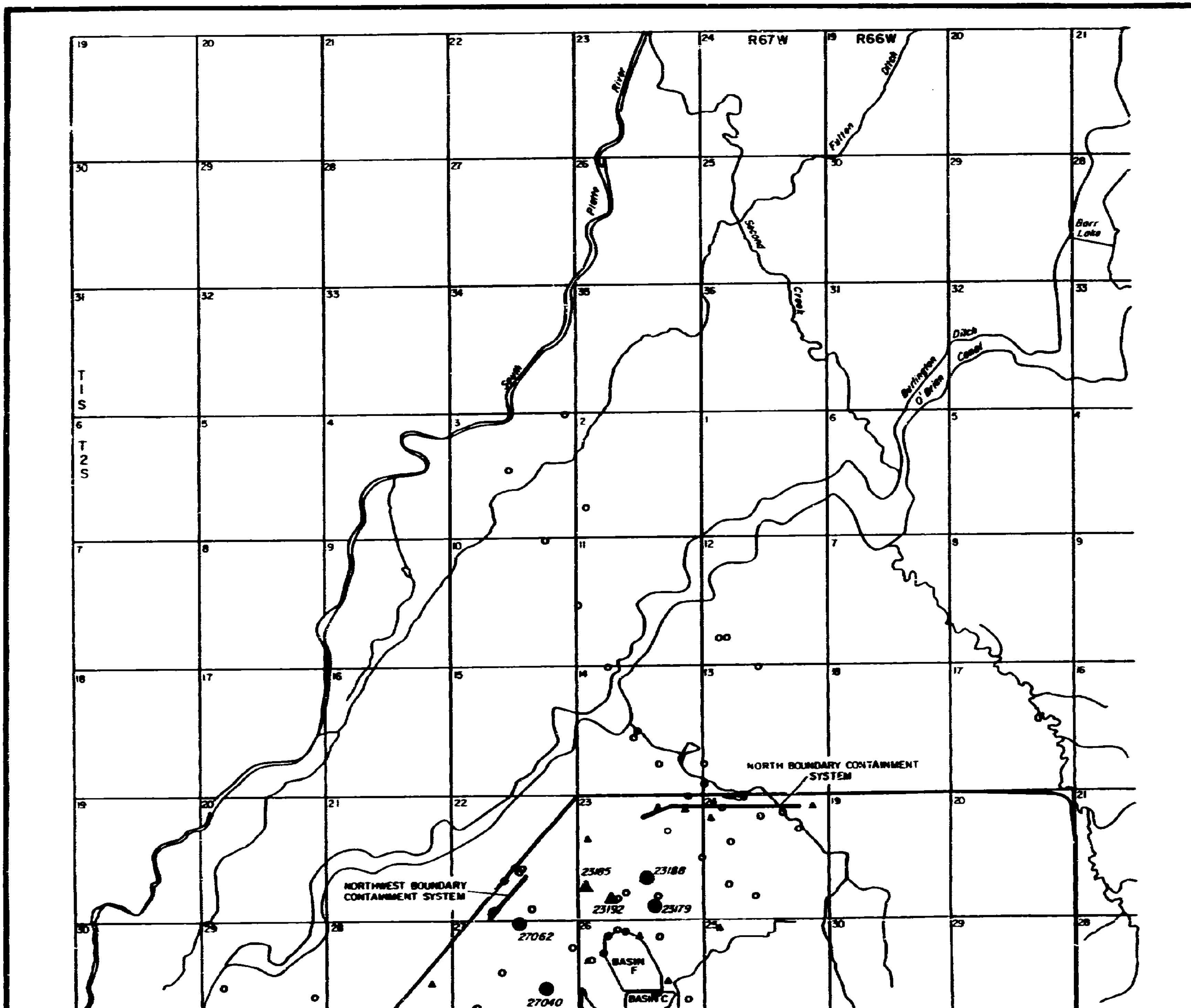
Figure D-170

TASK 4/44 GC/MS ANALYSIS NETWORK, 1,1,2-TRICHLOROETHANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


R67W
R66W
T1S
T2S
South Platte River
Second Creek
Fulton Ditch
Barr Lake
Burlington Ditch
O'Brian Canal
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
BASIN F
BASIN C
23185
23188
23192
23179
27062
27040

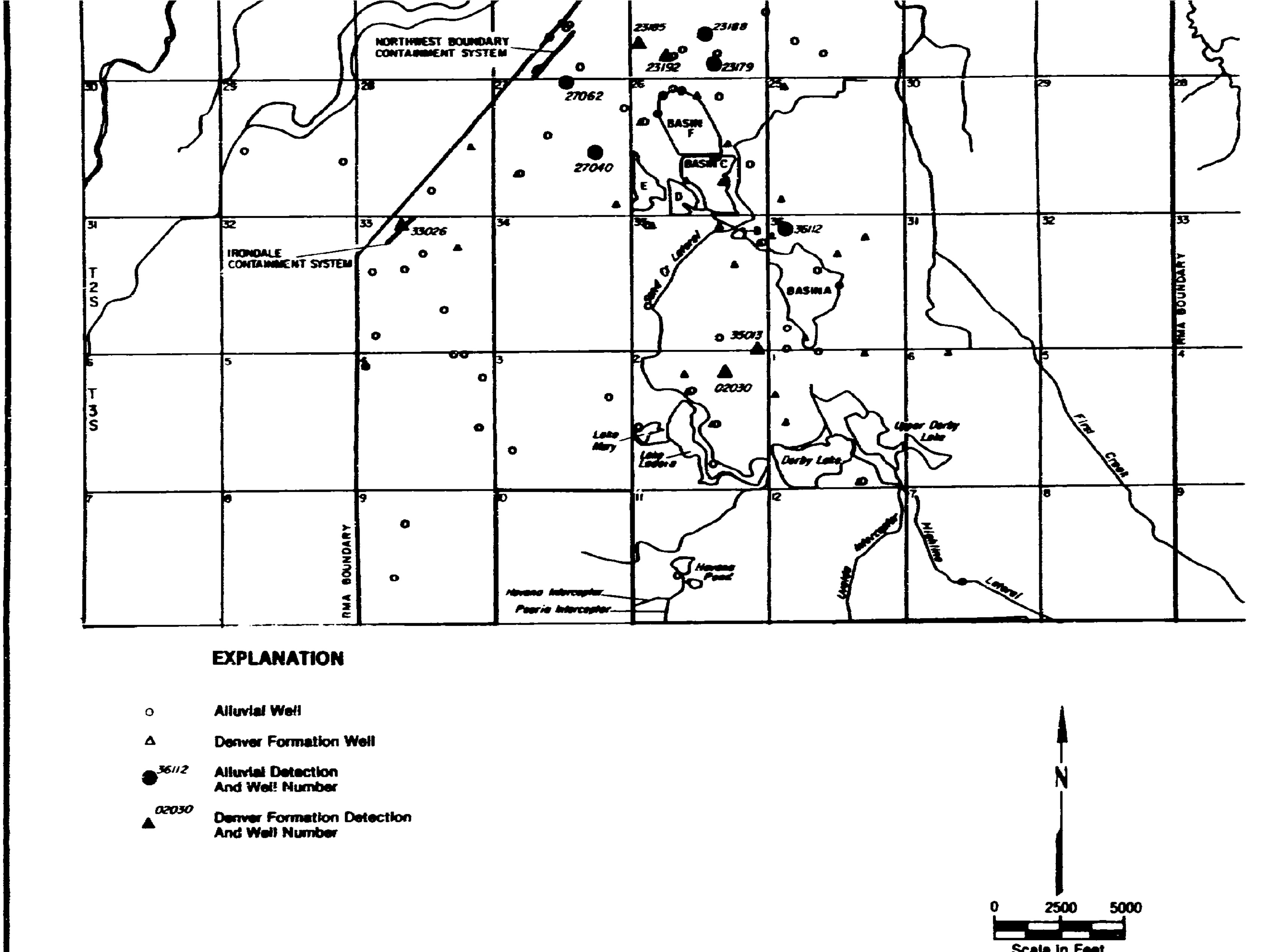


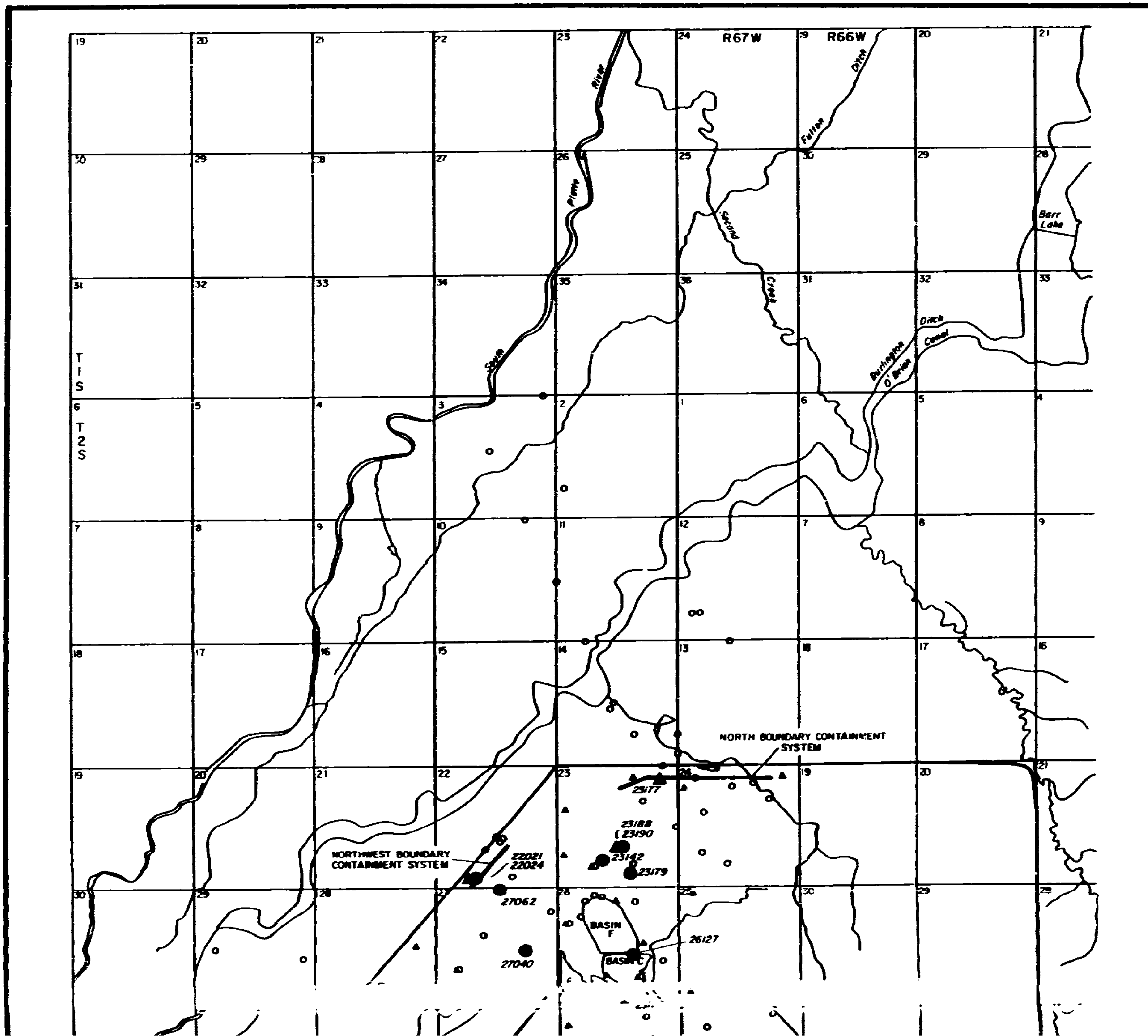
Figure D-171

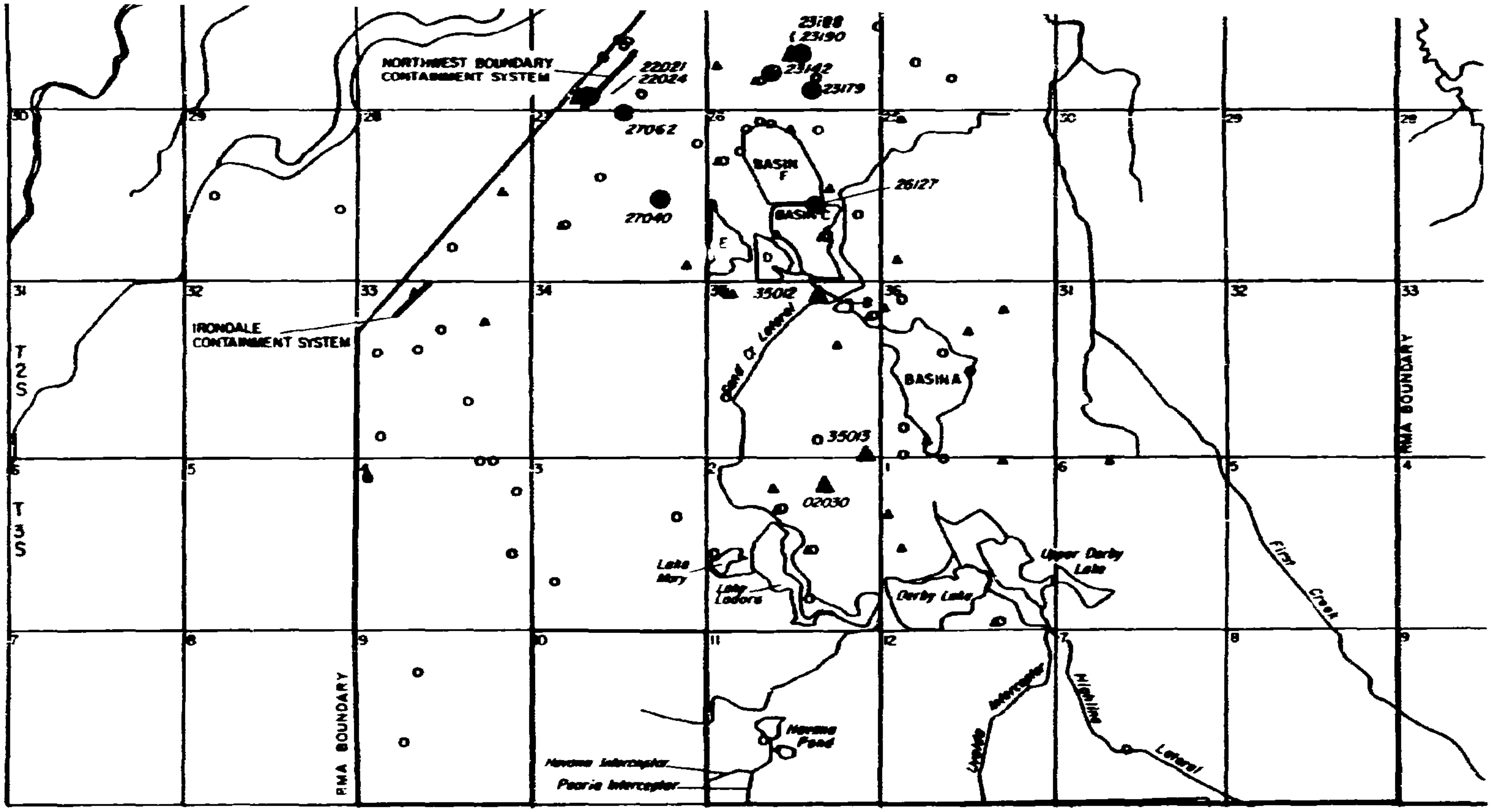
TASK 4/44 GC/MS ANALYSIS NETWORK, 2,6,10,14-TETRAMETHYLHEXADECANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


R67W
R66W
T1S
T2S
South Platte River
Fulton Ditch
Second Creek
Barr Lake
Burlington Ditch
O'Brien Canal
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
BASIN F
BASIN C
23177
23188
23190
23142
23179
22021
22024
27062
27040
26127



EXPLANATION

- o Alluvial Well
- △ Denver Formation Well
- ● 26127 Alluvial Detection And Well Number
- ▲ 35012 Denver Formation Detection And Well Number

N

0 2500 5000

Scale in Feet

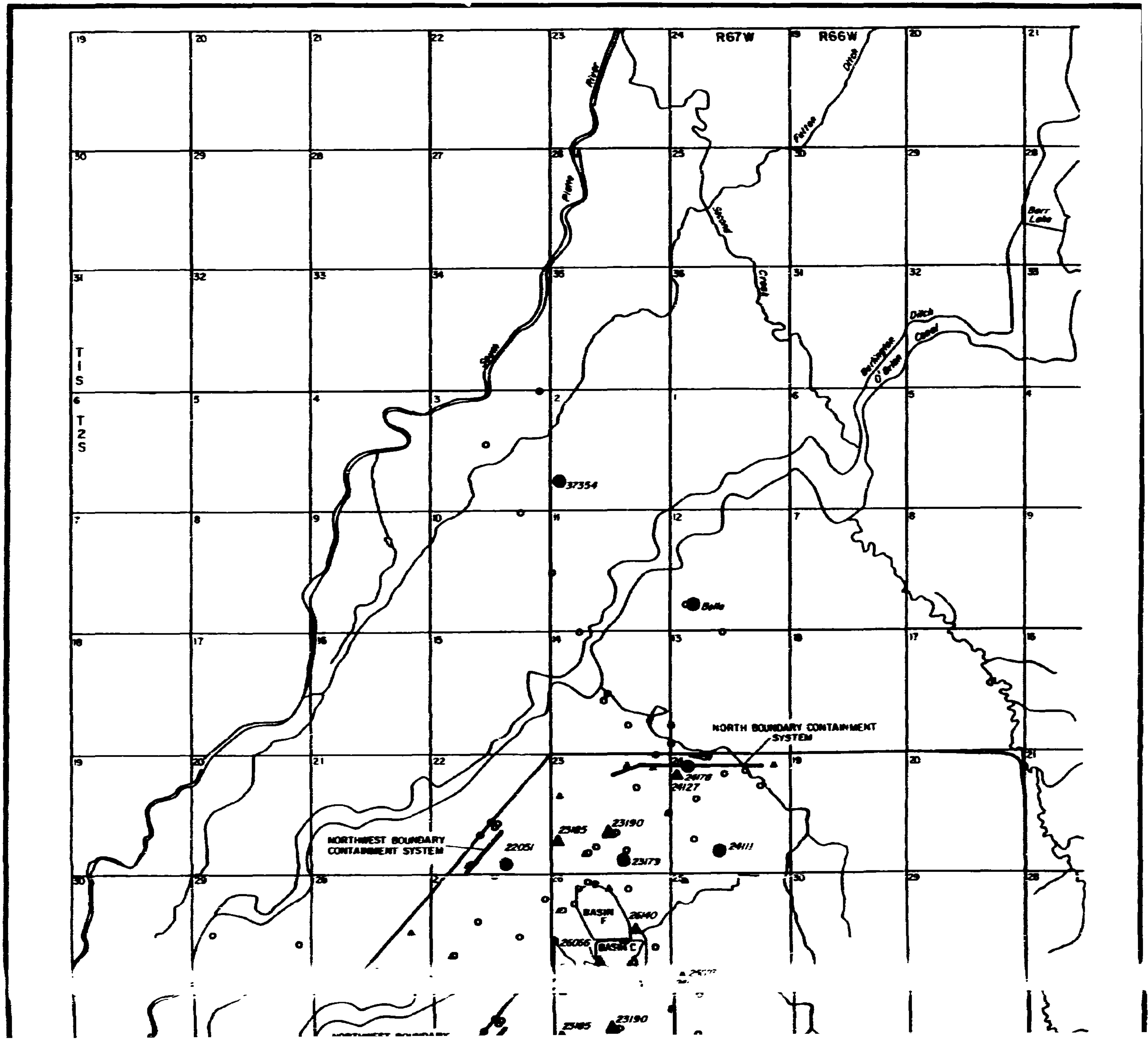
Figure D-172

TASK 4/44 GC/MS ANALYSIS NETWORK, 2,6,10-TRIMETHYLPENTADECANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


R67W
R66W
T1S
T2S
Platte River
Fulton Ditch
Second Creek
Barr Lake
Burlington O'Brian Canal
Ditch
37354
Belle
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
22051
23185
23190
23179
24111
24178
24127
26140
26066
BASIN F
BASIN C

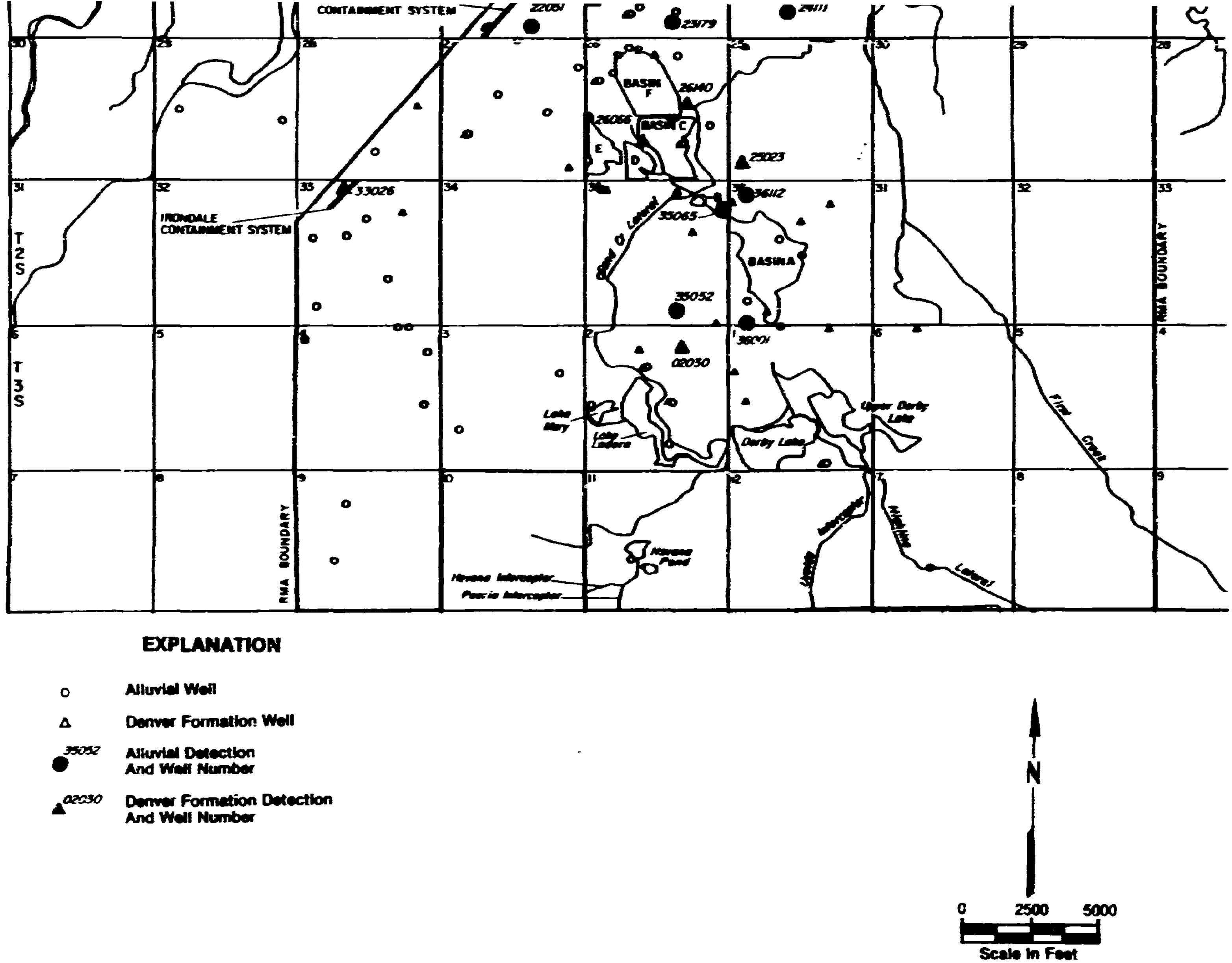


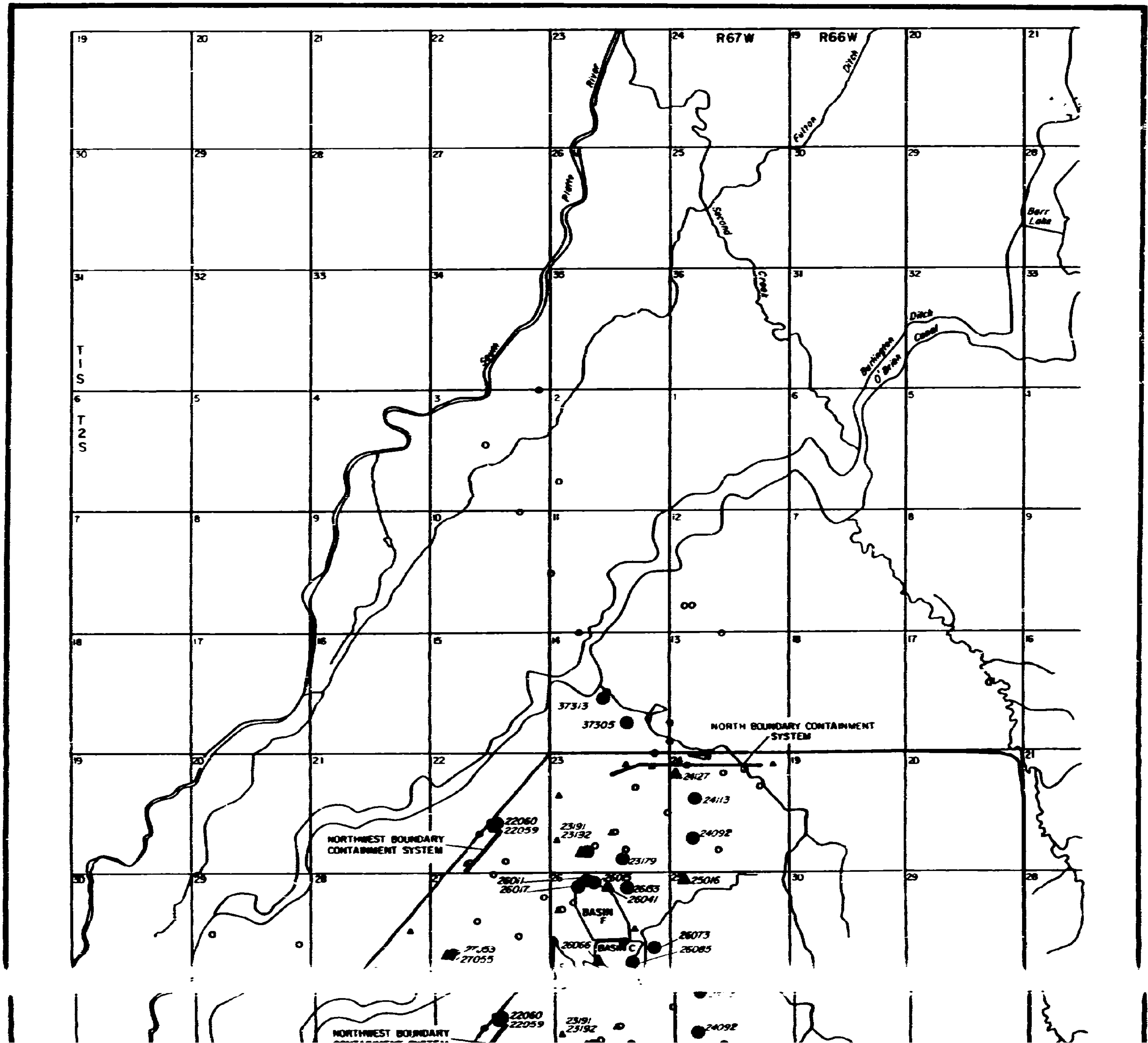
Figure D-173

TASK 4/44 GC/MS ANALYSIS NETWORK, BIS(2– ETHYLHEXL) PHTHALATE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



R67W
R66W
T1S
T2S
River
Platte
South
Fulton Ditch
Second Creek
Barr Lake
Burlington Ditch
O'Brian Canal
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
BASIN F
BASIN C
37313
37305
24127
24113
24092
25016
23179
23191
23192
22060
22059
26011
26017
26663
26041
26073
26085
26066
27055

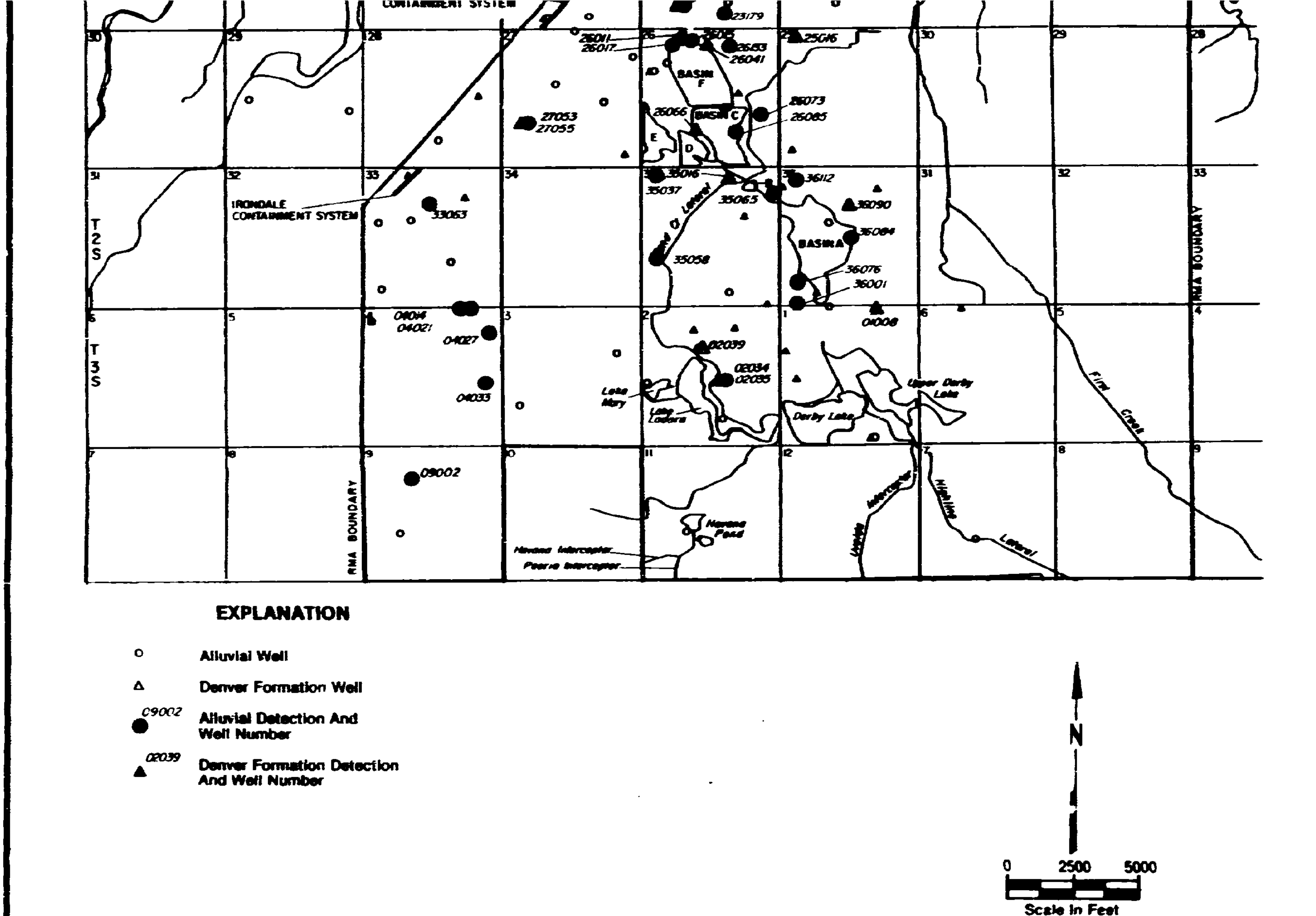


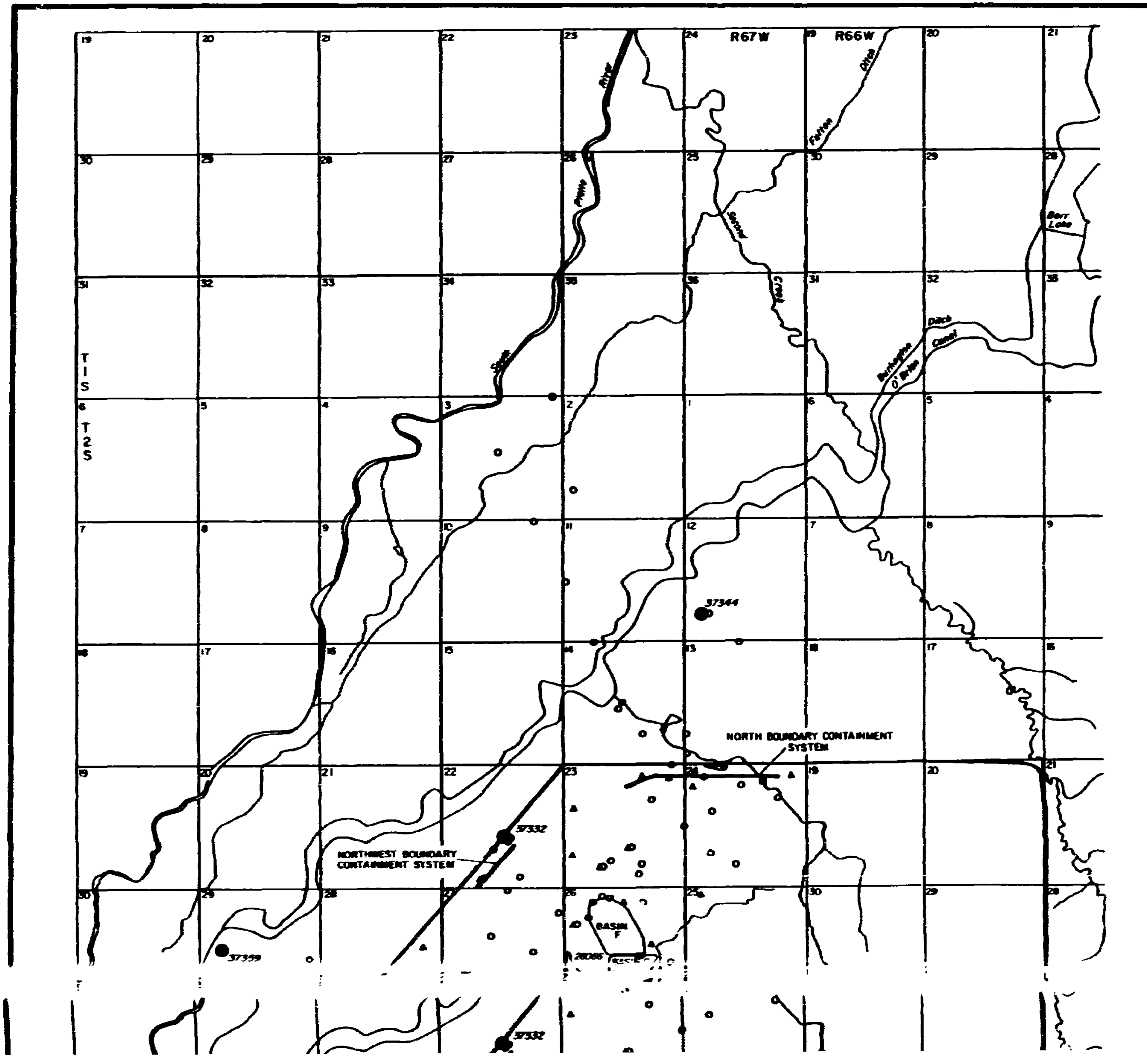
Figure D-174

TASK 4/44 GC/MS ANALYSIS NETWORK, CAPROLACTAM DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



R67W
R66W
T 1 S
T 2 S
Fulton Ditch
Second Creek
Barr Lake
Burlington Ditch
O'Brien Canal
Platte River
South Platte
37344
37332
37359
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
BASIN F

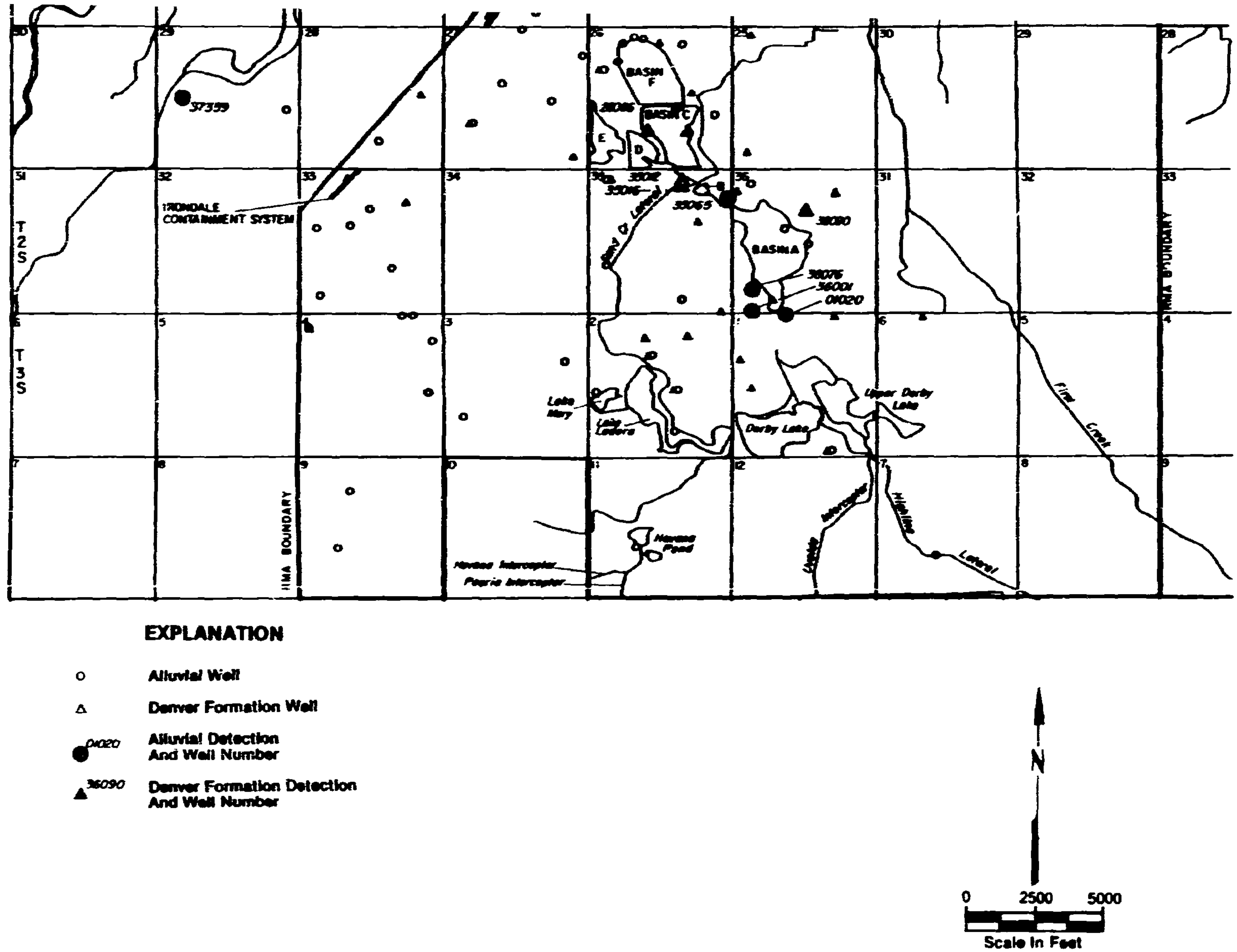


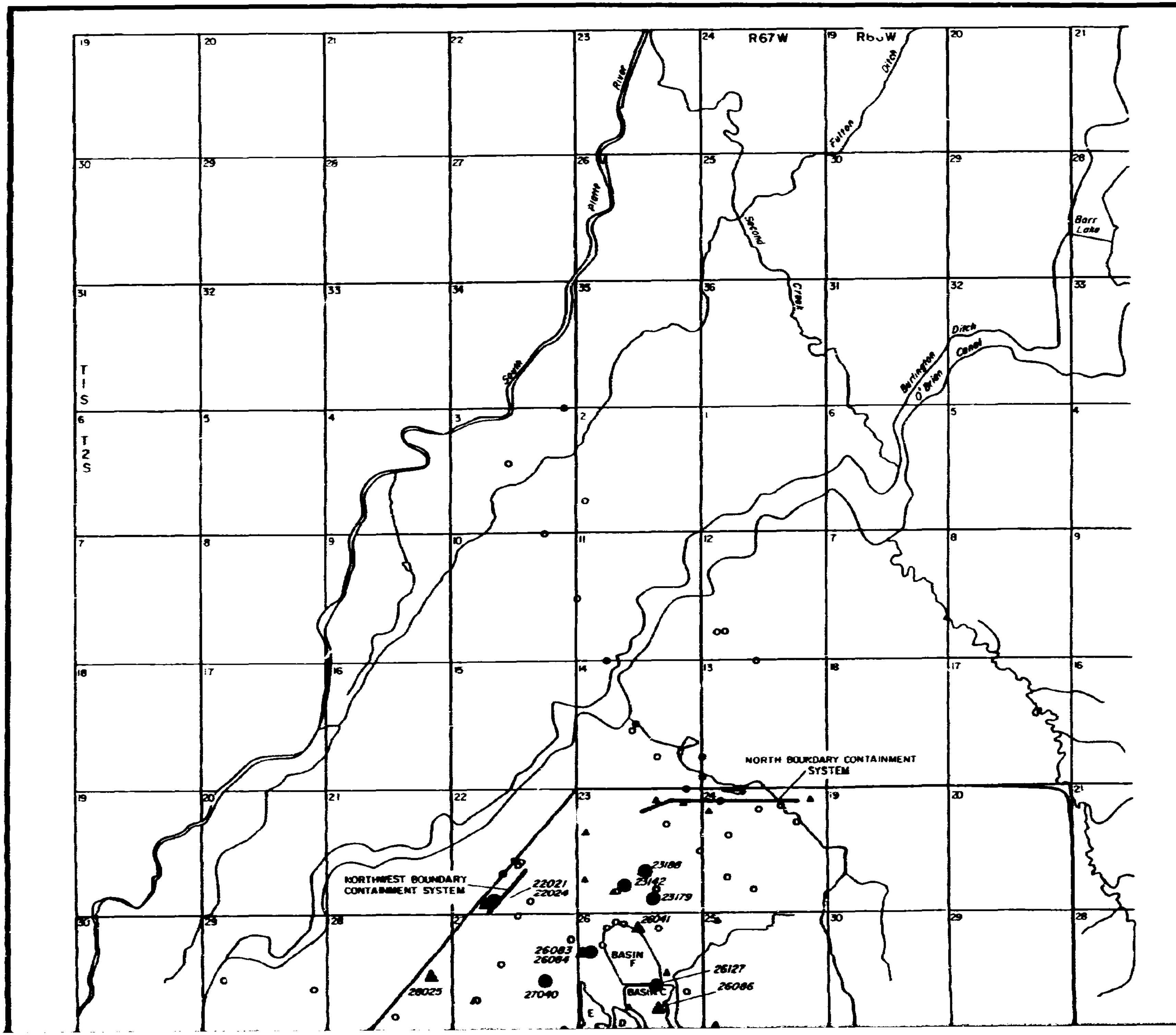
Figure D-175

TASK 4/44 GC/MS ANALYSIS NETWORK, CHLOROBENZENE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



R67W
R66W
T1S
T2S
South Platte River
Fulton Ditch
Second Creek
Barr Lake
Burlington Ditch
O'Brien Canal
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
22021
22024
23188
23142
23179
26041
26083
26084
27040
28025
26127
26086
BASIN F
BASIN C
E
D

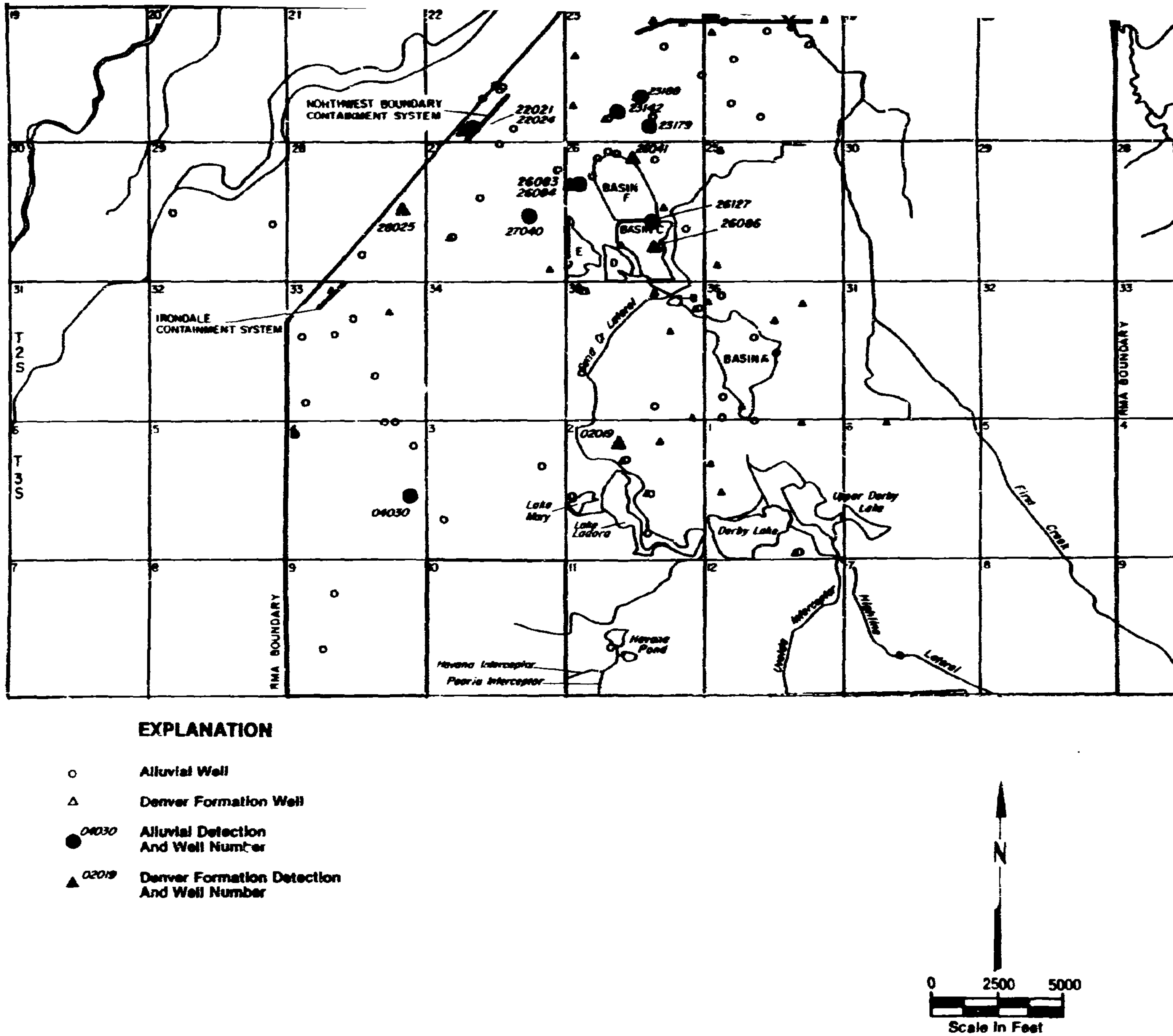


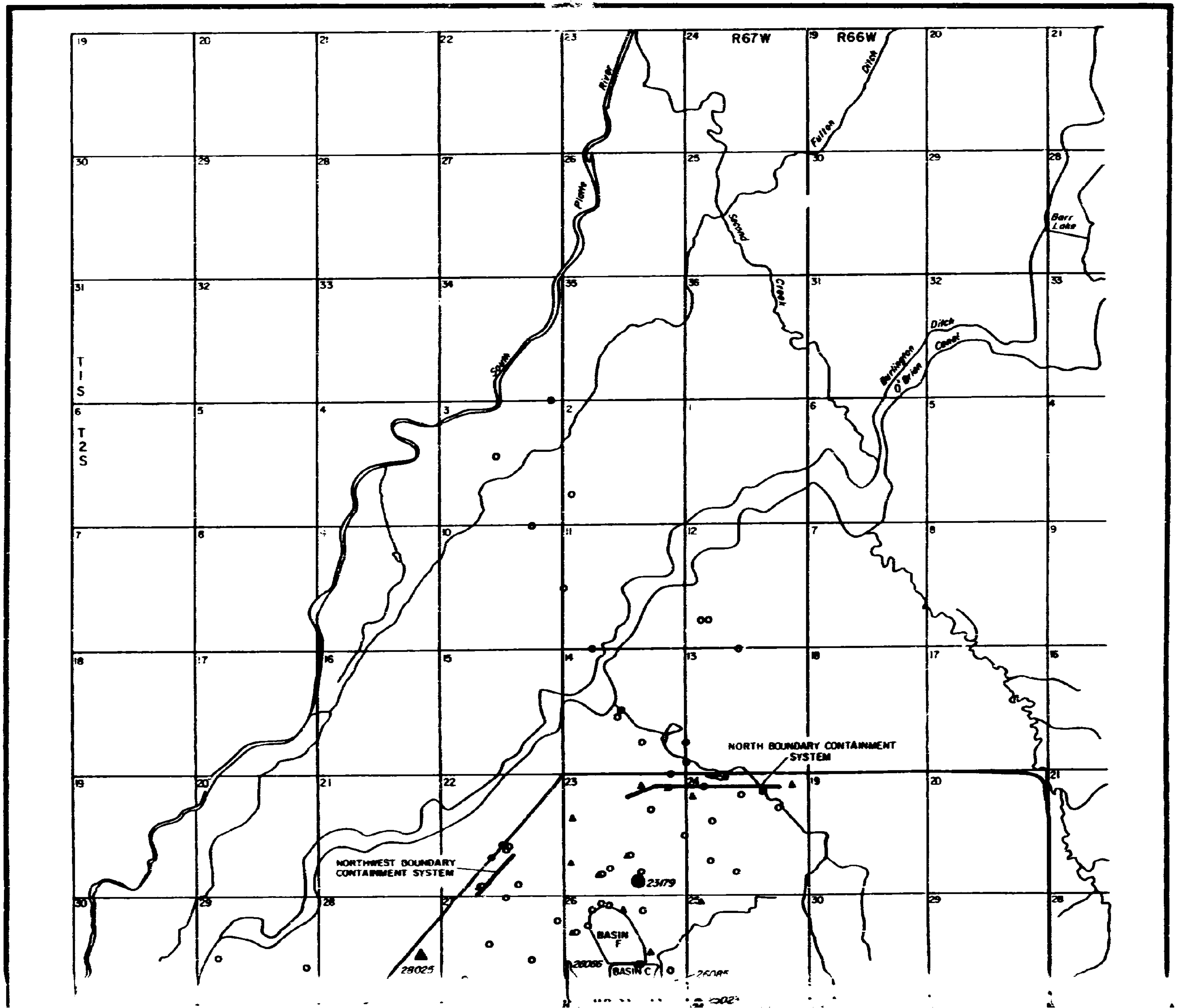
Figure D-176

TASK 4/44 GC/MS ANALYSIS NETWORK, CYCLOPENTANONE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



R67W
R66W
T 1 S
T 2 S
Fulton Ditch
Second Creek
Barr Lake
Burlington Ditch
O'Brien Canal
South Platte River
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
BASIN F
BASIN C
23179
28025
28086

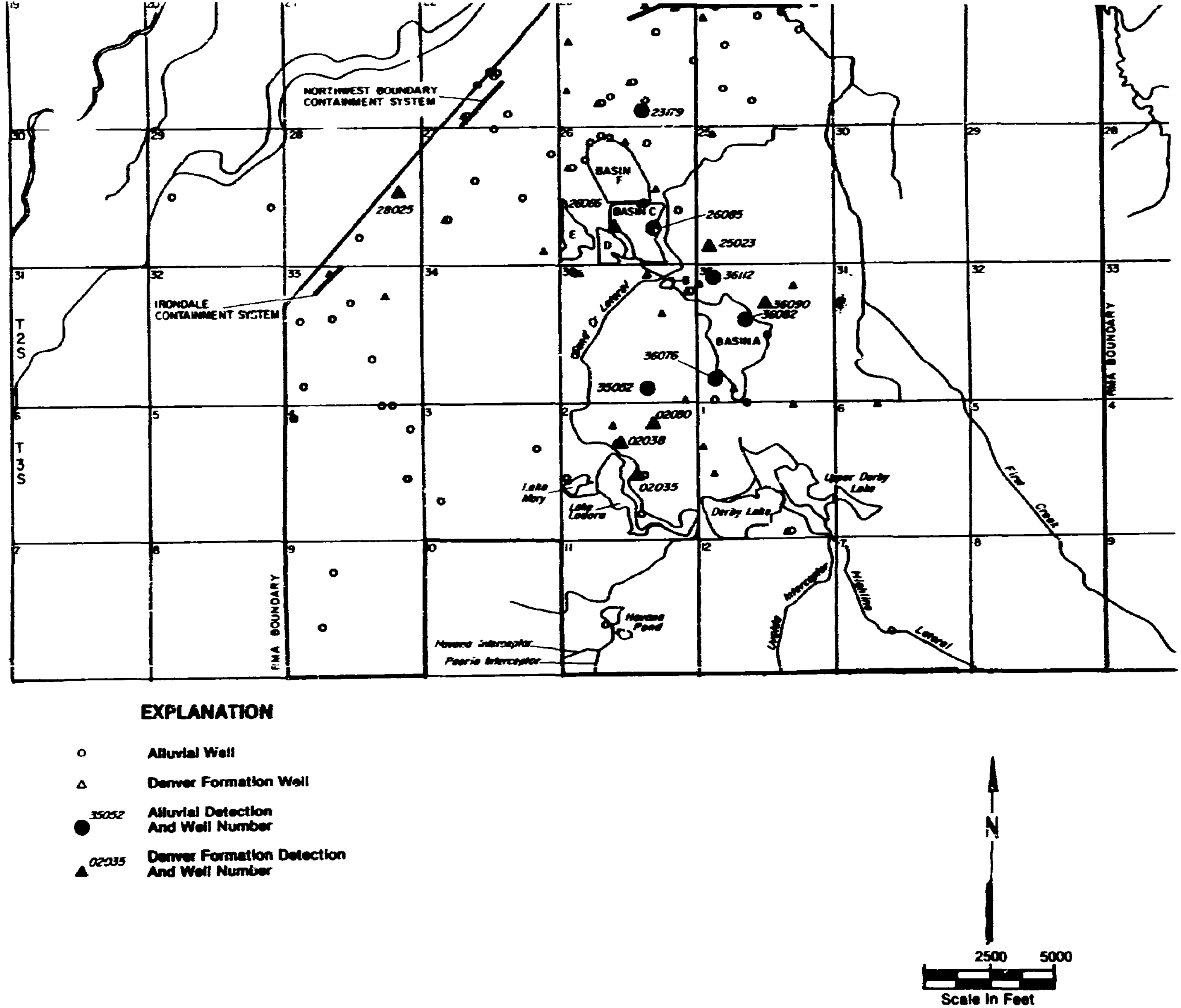


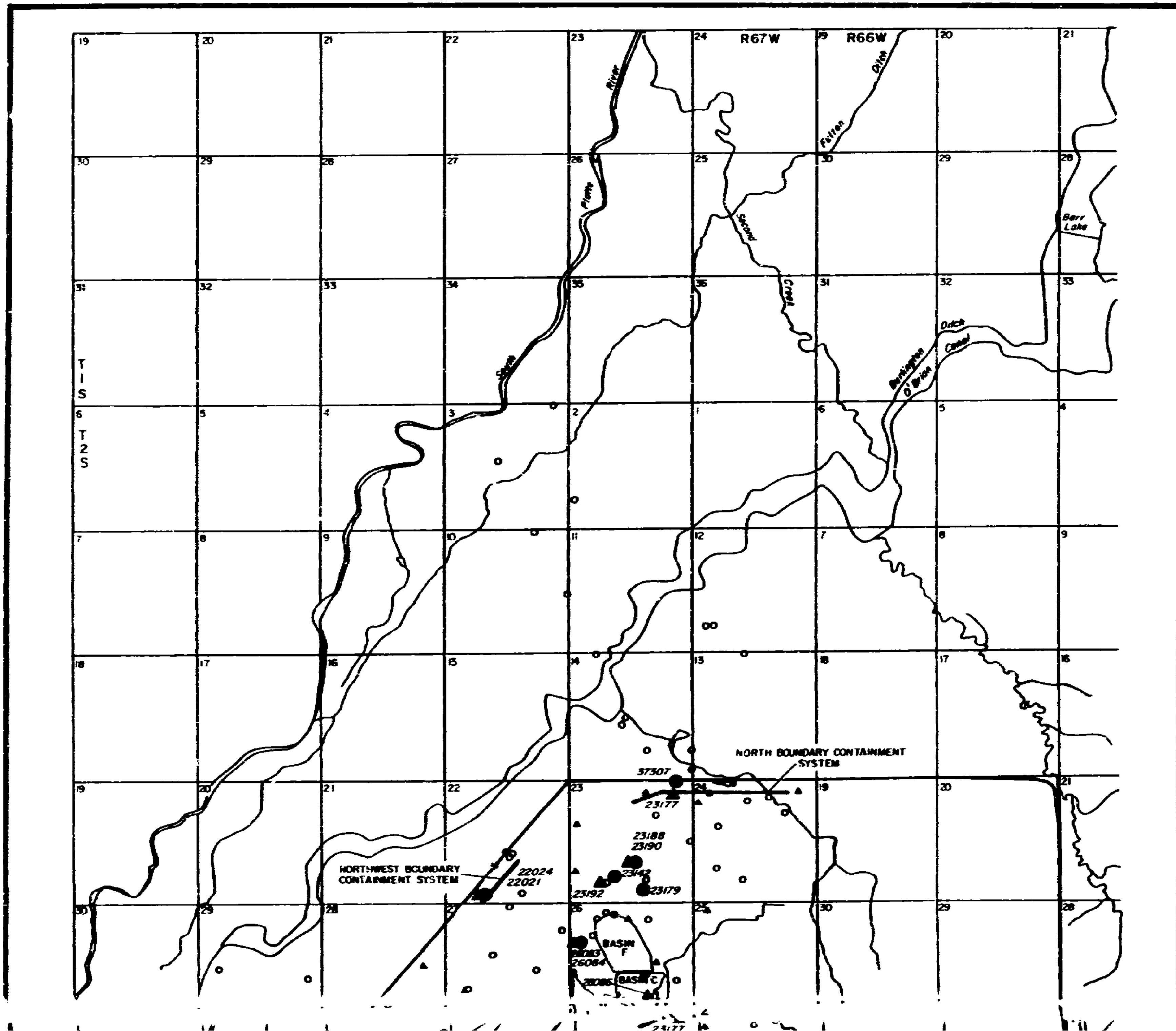
Figure D-177

TASK 4/44 GC/MS ANALYSIS NETWORK, HEXADECANOIC ACID DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


R67W
R66W
T1S
T2S
South Platte River
Fulton Ditch
Second Creek
Barr Lake
Burlington O'Brien Ditch Canal
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
37307
23177
23188
23190
23142
23179
23192
22024
22021
26084
BASIN F
BASIN C

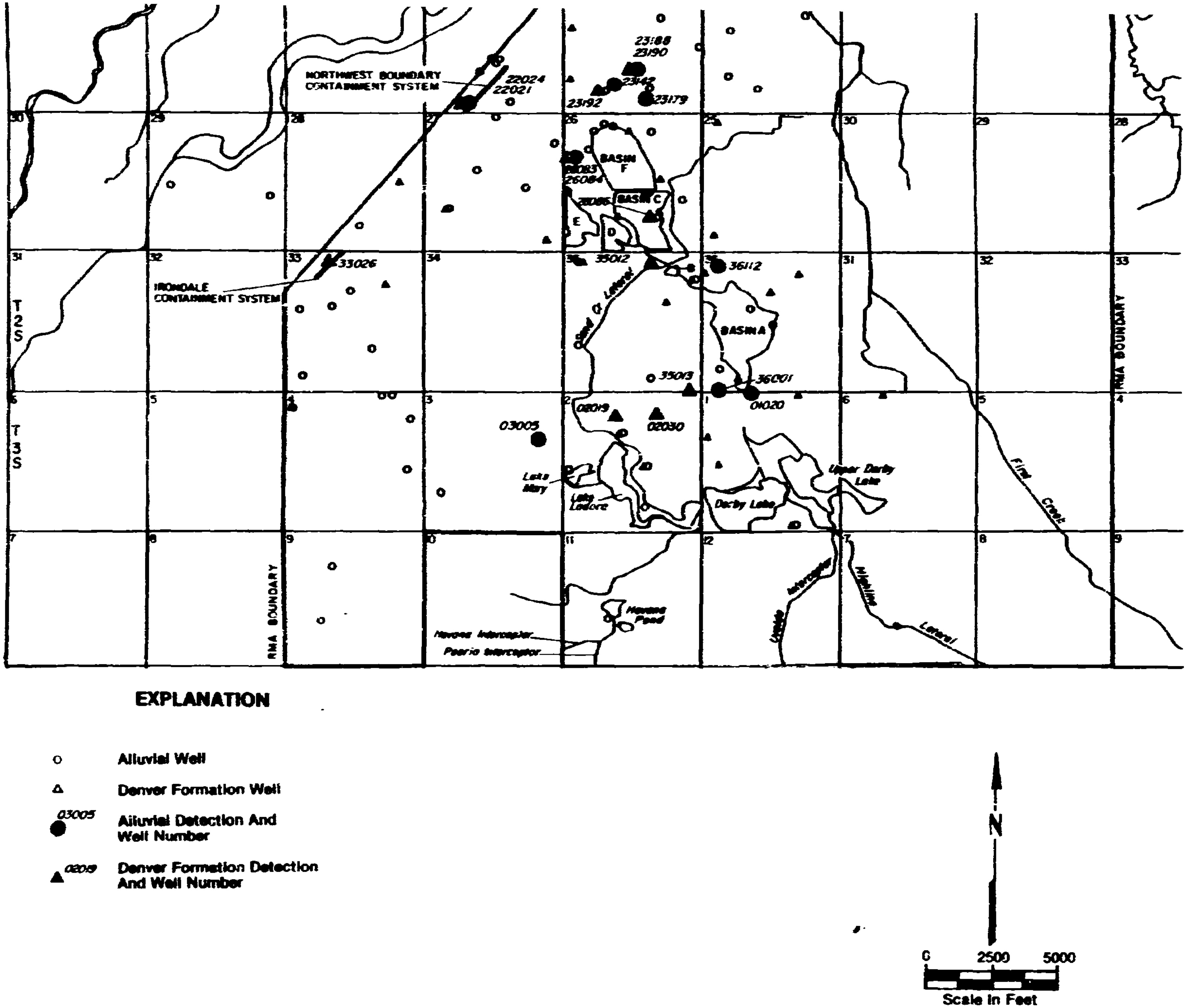


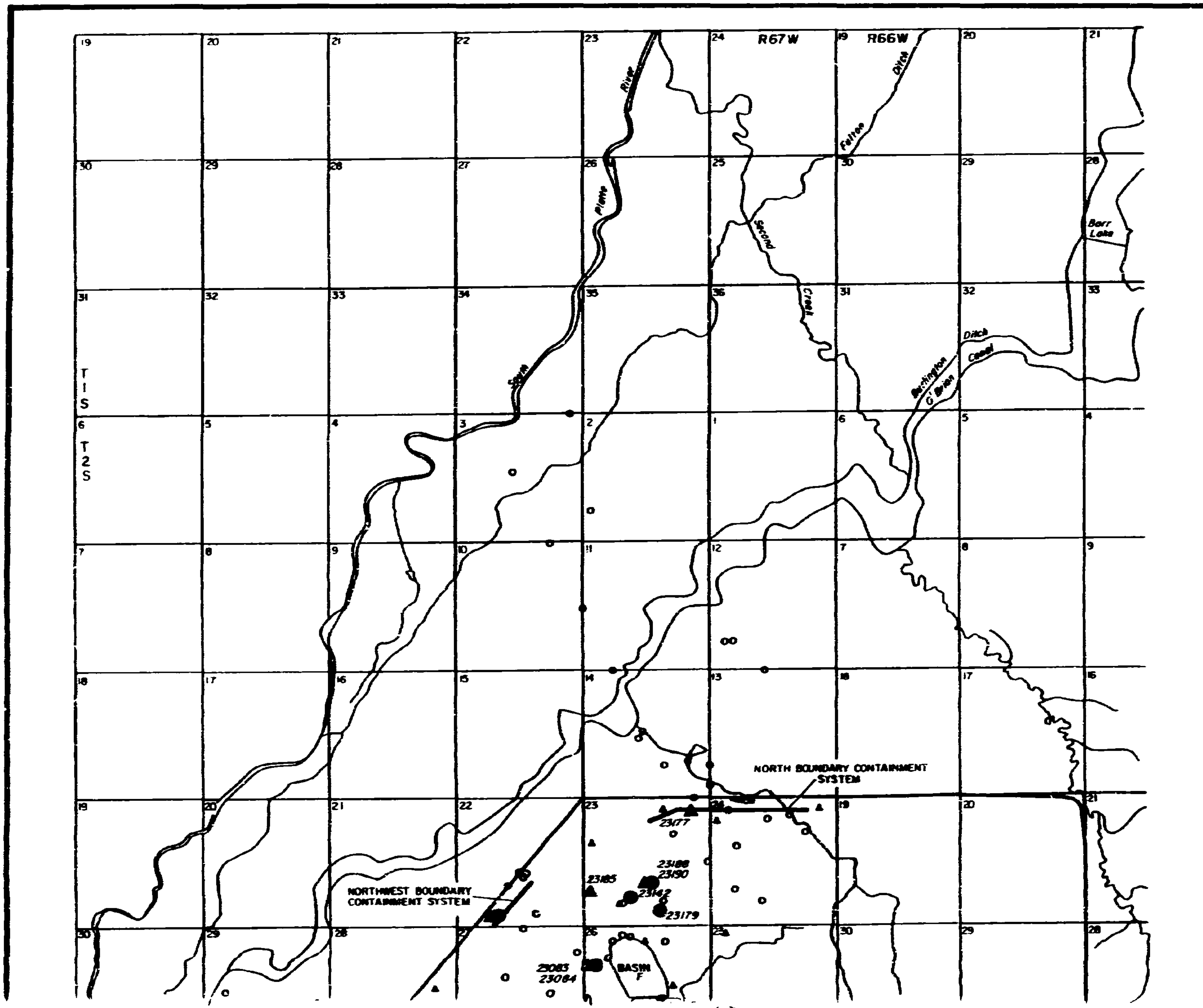
Figure D-178

TASK 4/44 GC/MS ANALYSIS NETWORK, N-EICOSANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



R67W
R66W
T 1 S
T 2 S
South Platte River
Fulton Ditch
Second Creek
Burlington Ditch
O'Brien Canal
Barr Lake
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
BASIN F
23177
23188
23190
23185
23142
23179
23083
23084

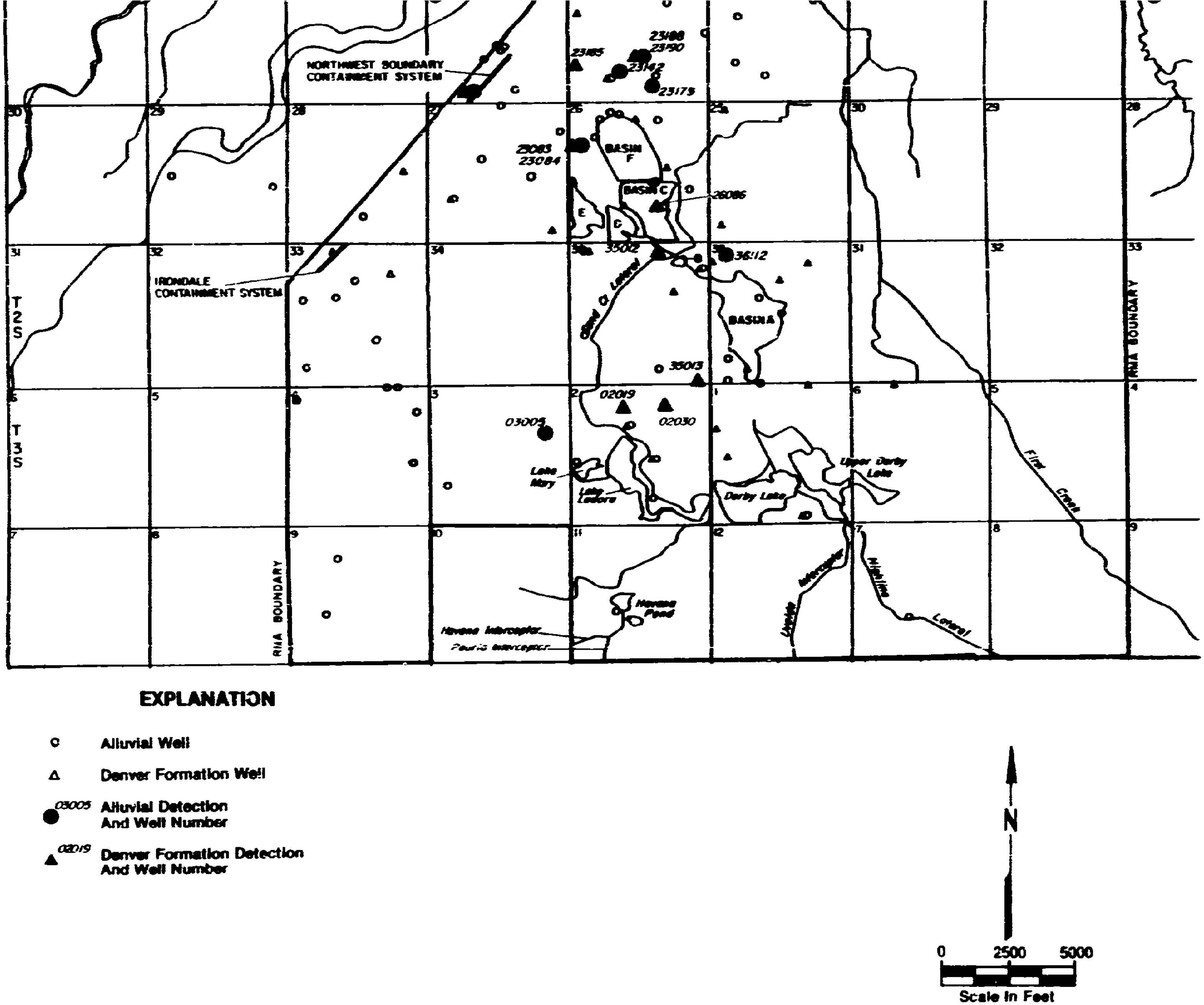


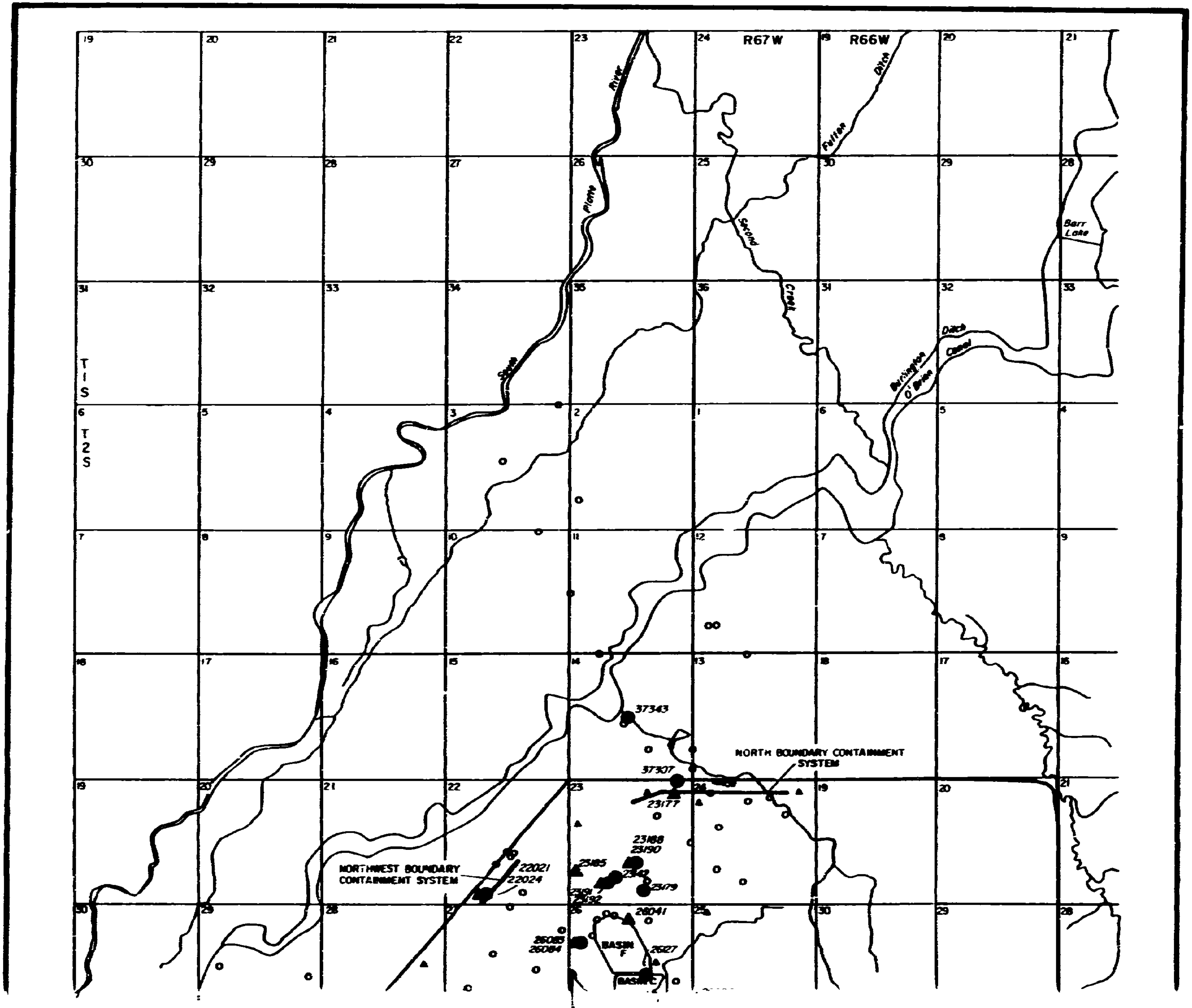
Figure D-179

TASK 4/44 GC/MS ANALYSIS NETWORK, N-HENEICOSANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



R67W
R66W
T1S
T2S
Platte River
South Platte
Fulton Ditch
Second Creek
Barr Lake
Burlington Ditch
O'Brien Canal
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
BASIN F
BASIN C
37343
37307
23177
23188
23190
23185
23179
22021
22024
26041
26085
26084
26127

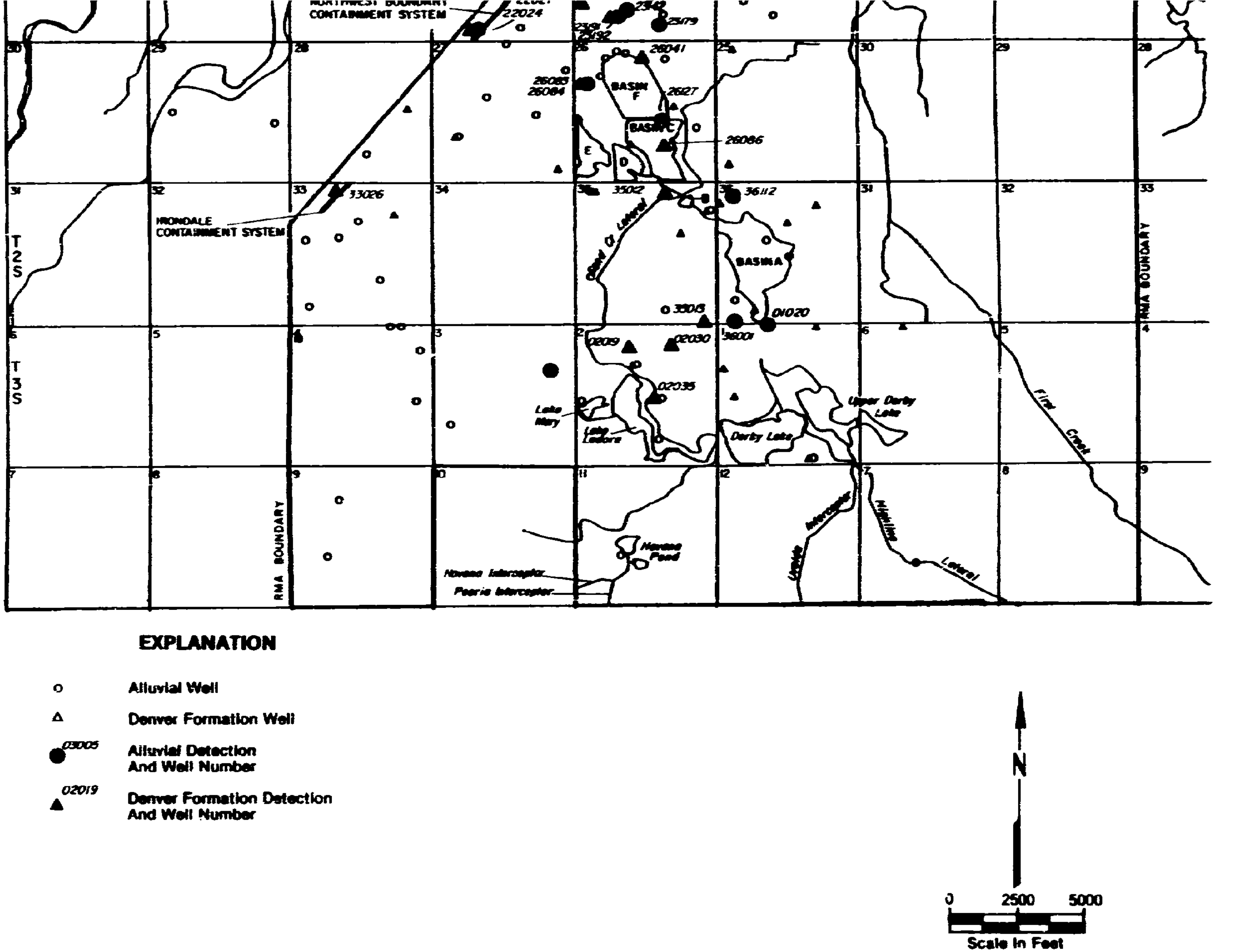


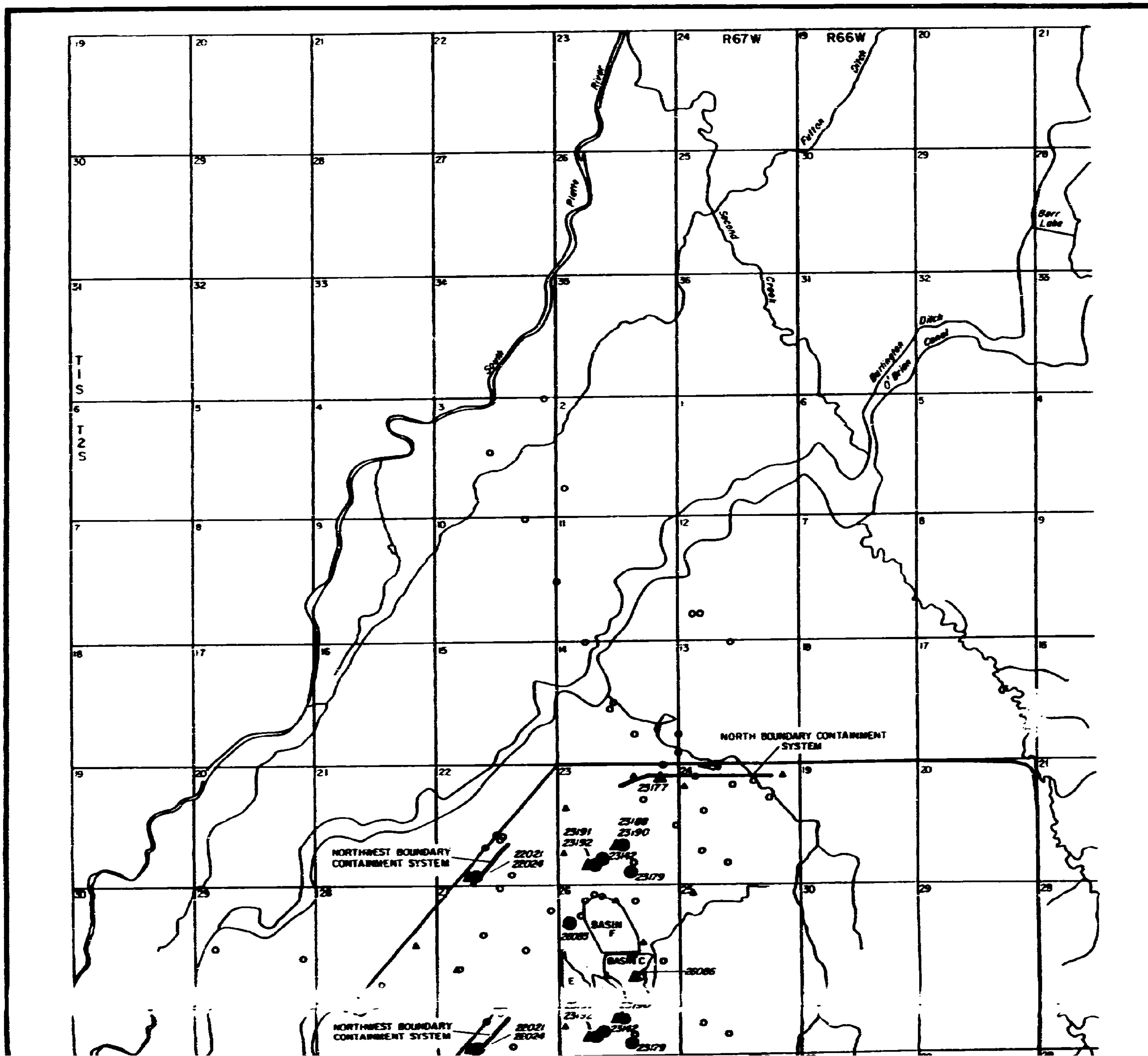
Figure D-180

TASK 4/44 GC/MS ANALYSIS NETWORK, N-HEPTADECANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


R67W
R66W
T1S
T2S
South Platte River
Fulton Ditch
Second Creek
Barr Lake
Burlington Ditch
O'Brian Canal
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
BASIN F
BASIN C
23177
23188
23190
23191
23192
23182
23179
22021
22024
26085
26086

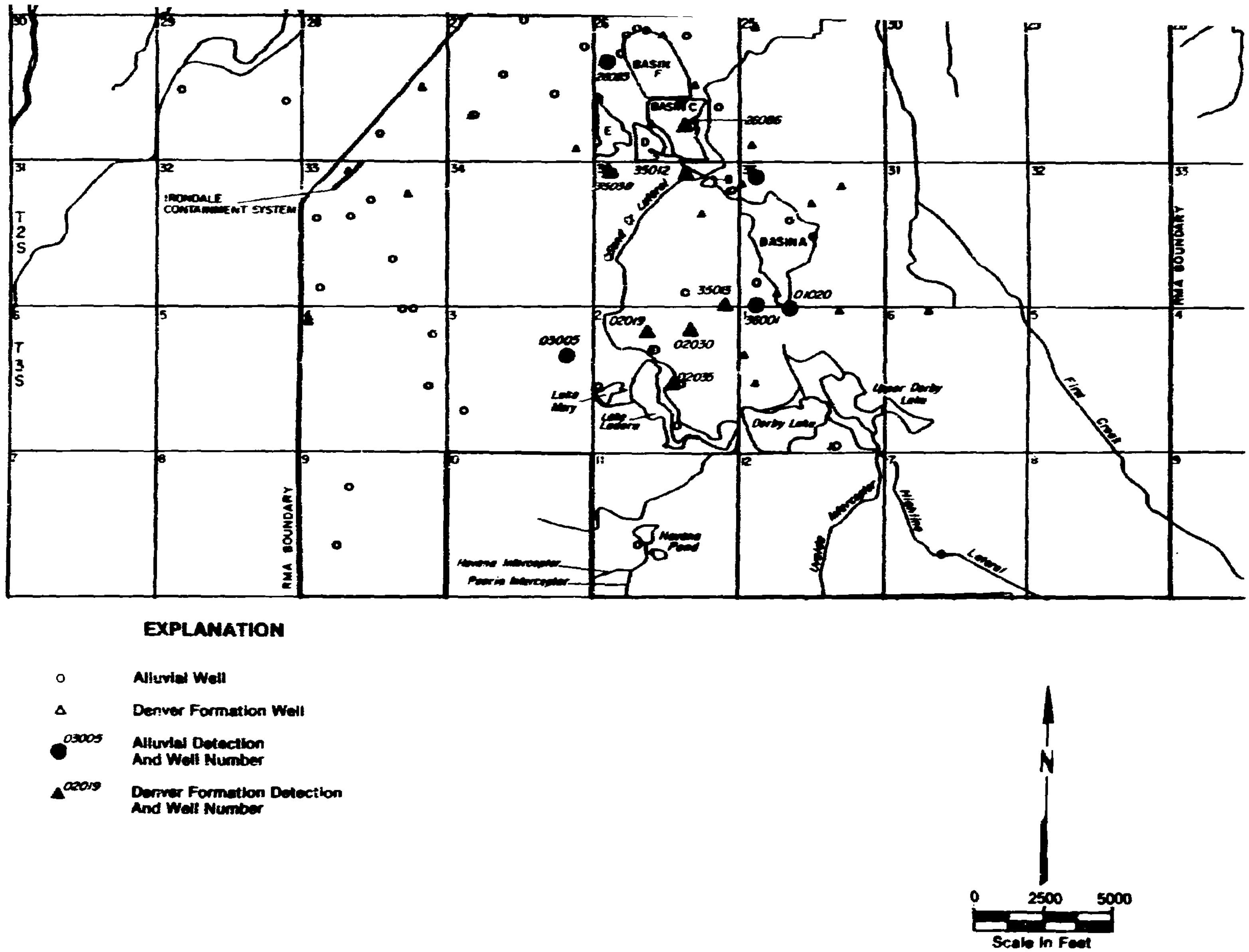


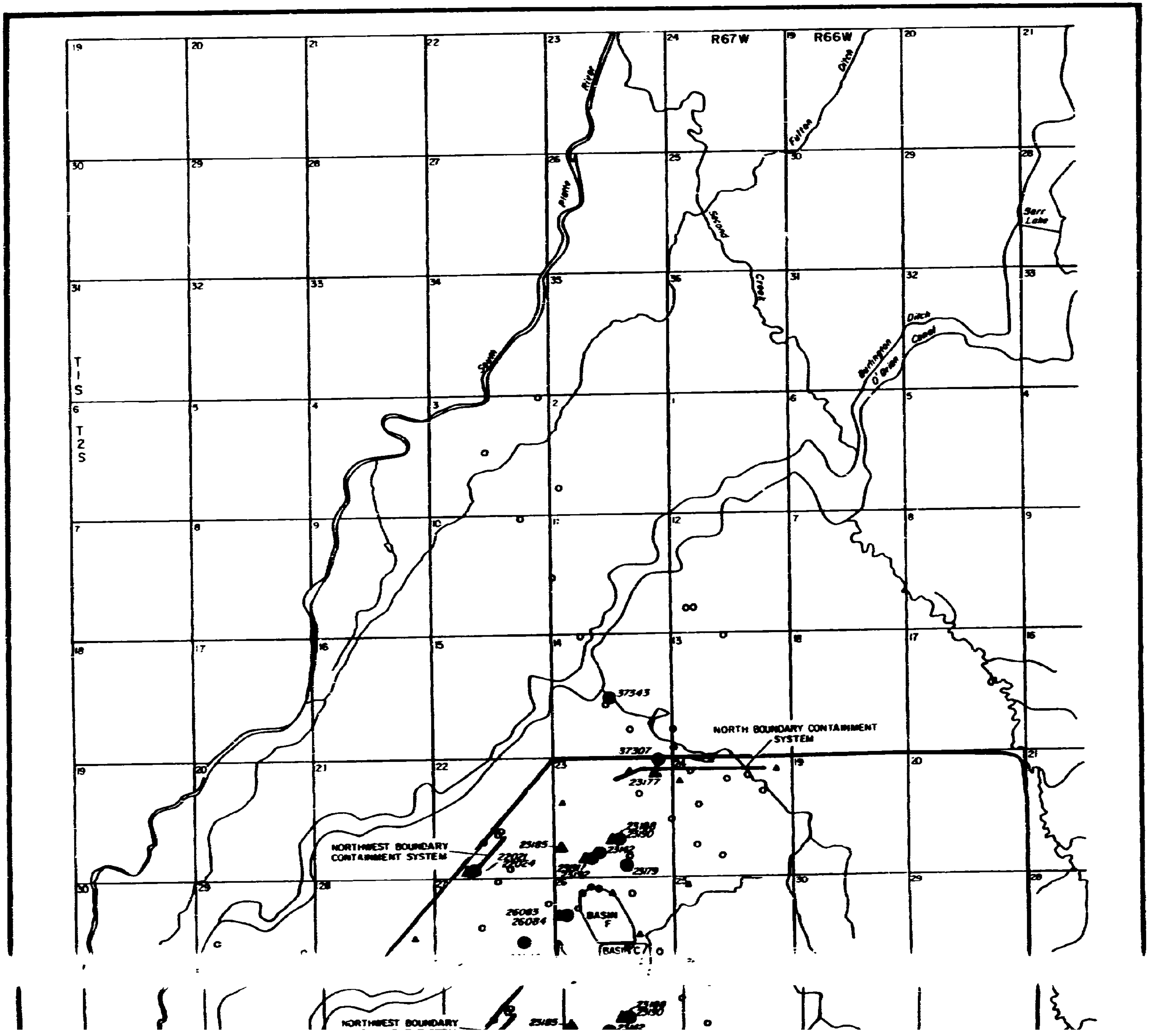
Figure D-181

TASK 4/44 GC/MS ANALYSIS NETWORK, N-HEXADECANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


R67W
R66W
T 1 S
T 2 S
South Platte River
Fulton Ditch
Second Creek
Barr Lake
Burlington Ditch
O'Brian Canal
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
BASIN F
BASIN C
37343
37307
23177
25185
23021
23024
23179
26083
26084

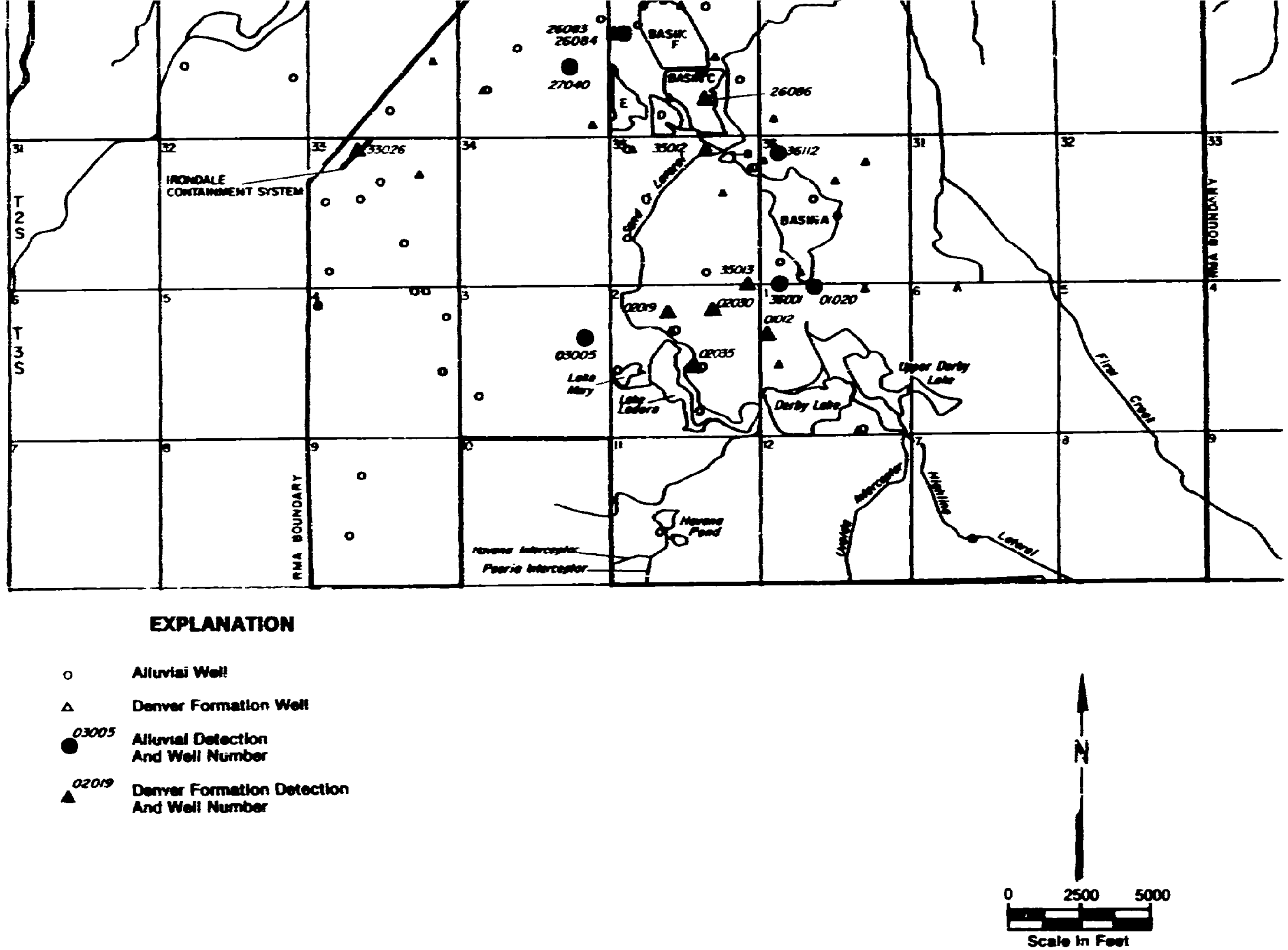


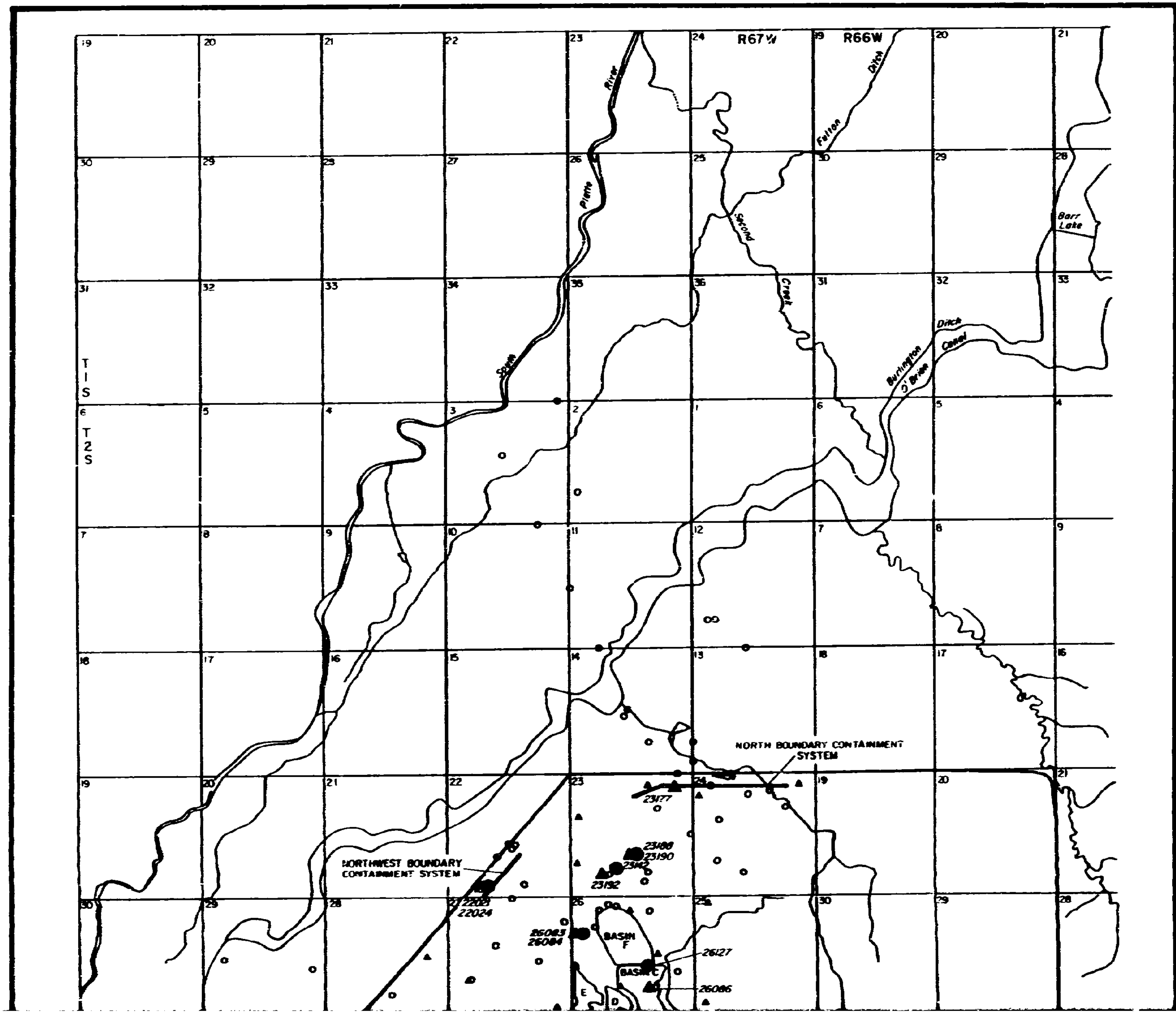
Figure D-182

TASK 4/44 GC/MS ANALYSIS NETWORK, N-NONADECANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


R67W
R66W
T1S
T2S
South Platte River
Second Creek
Fulton Ditch
Burlington Ditch
O'Brien Canal
Barr Lake
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
BASIN F
BASIN C
D
E
23177
23188
23190
23192
22024
26083
26084
26127
26086

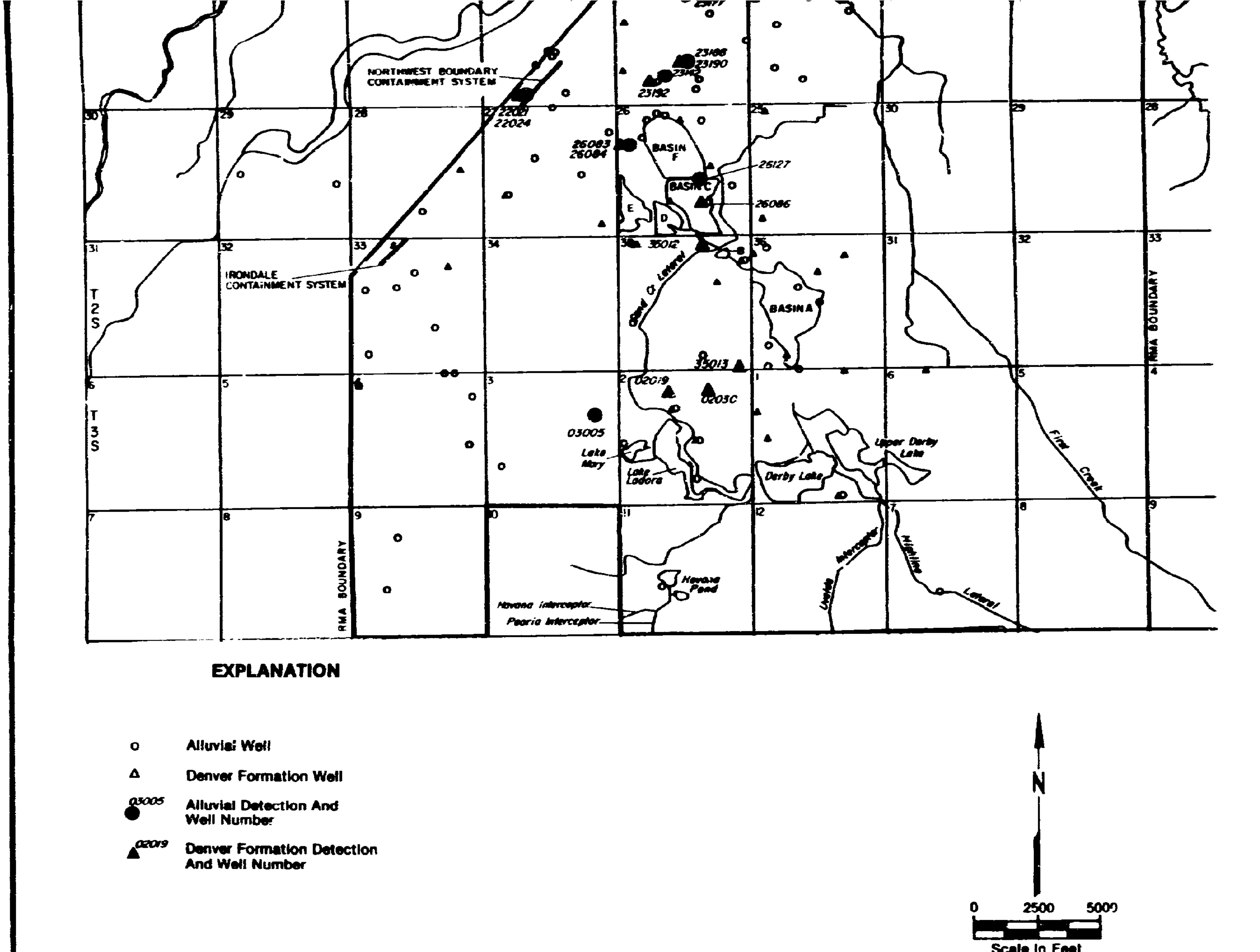


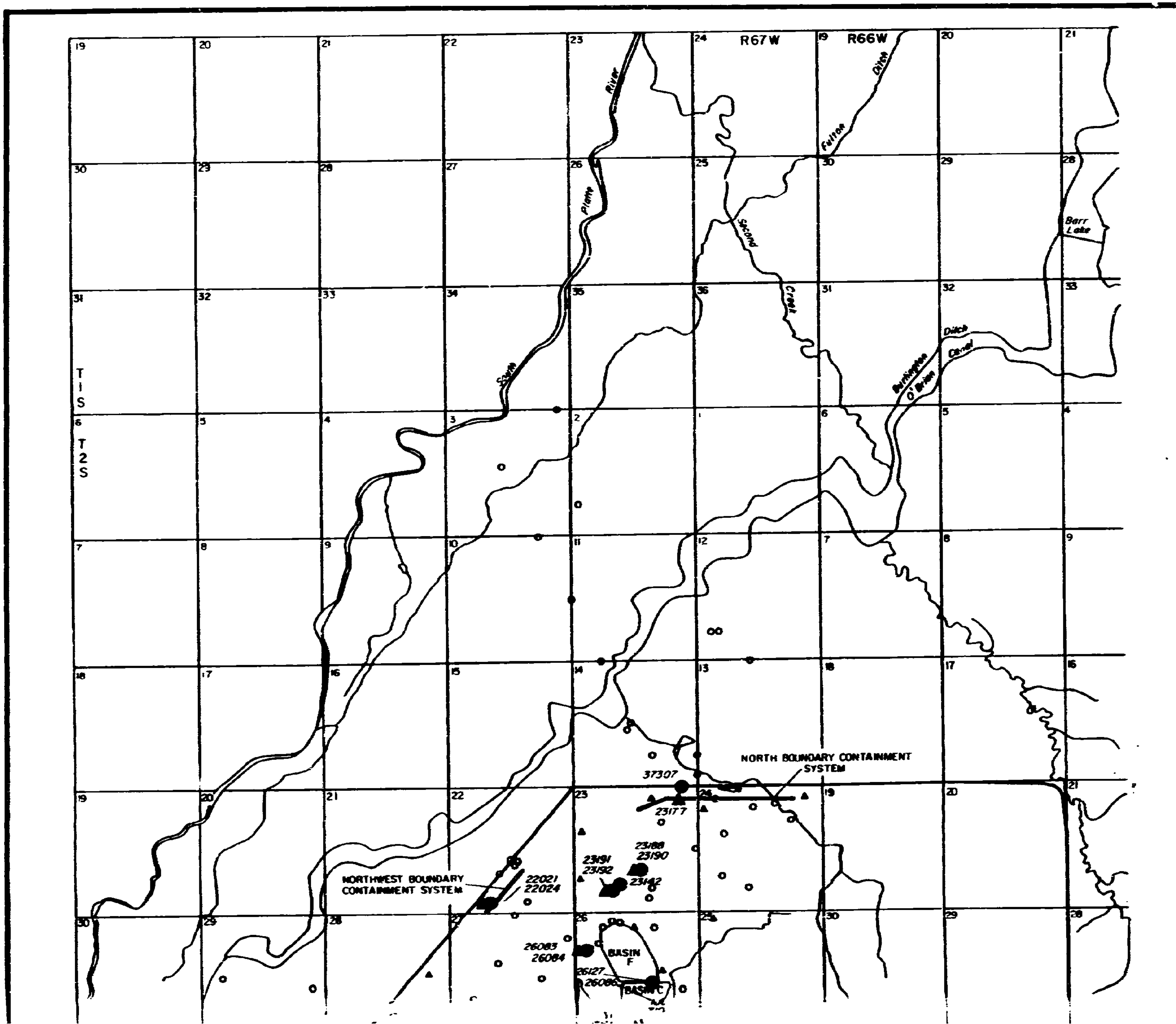
Figure D-183

TASK 4/44 GC/MS ANALYSIS NETWORK, N-PENTADECANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


R67W
R66W
T 1 S
T 2 S
South Platte River
Fulton Ditch
Second Creek
Barr Lake
Burlington Ditch
O'Brian Canal
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
BASIN F
BASIN C
37307
23177
23188
23190
23191
23192
23142
22021
22024
26083
26084
26127
26086

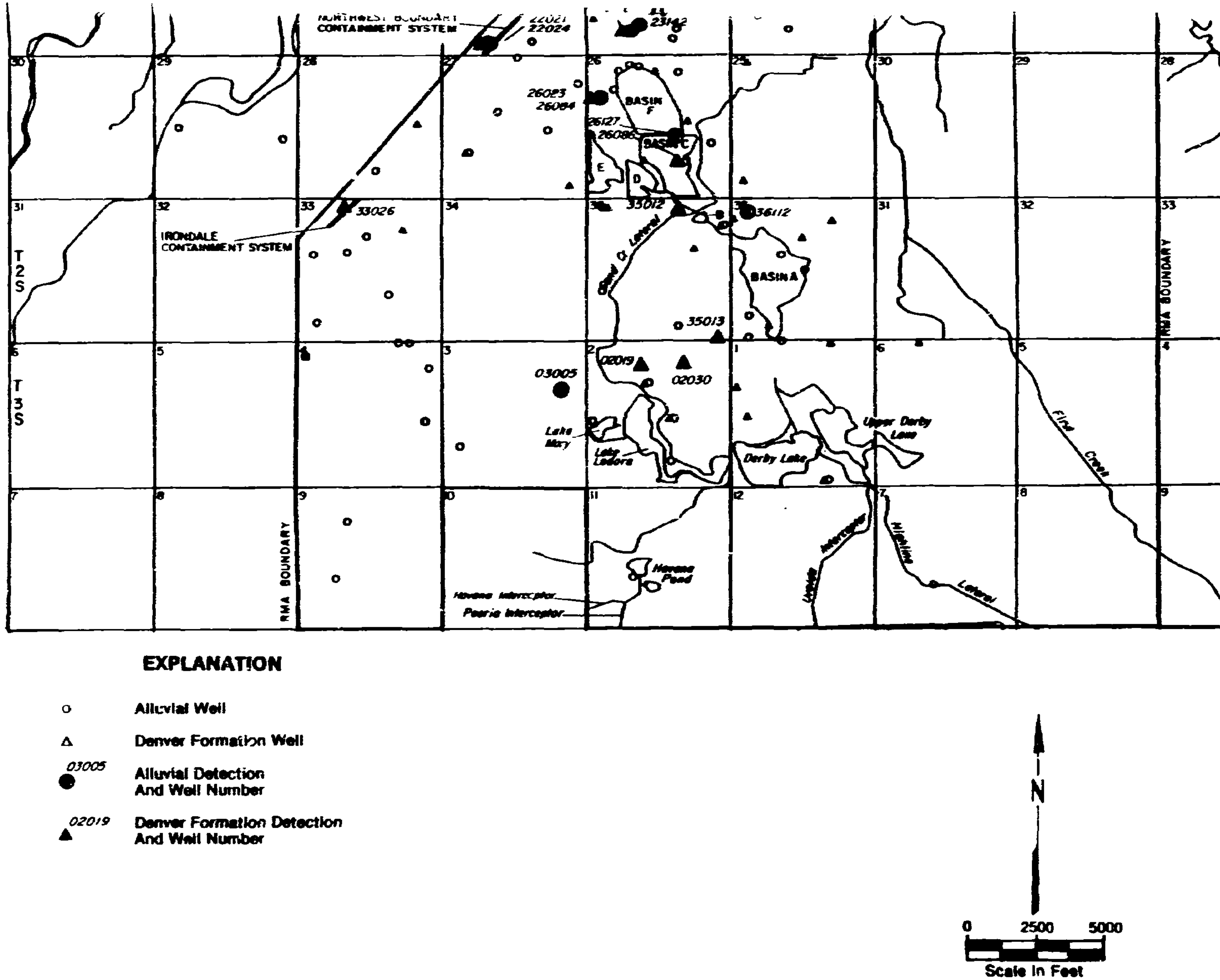


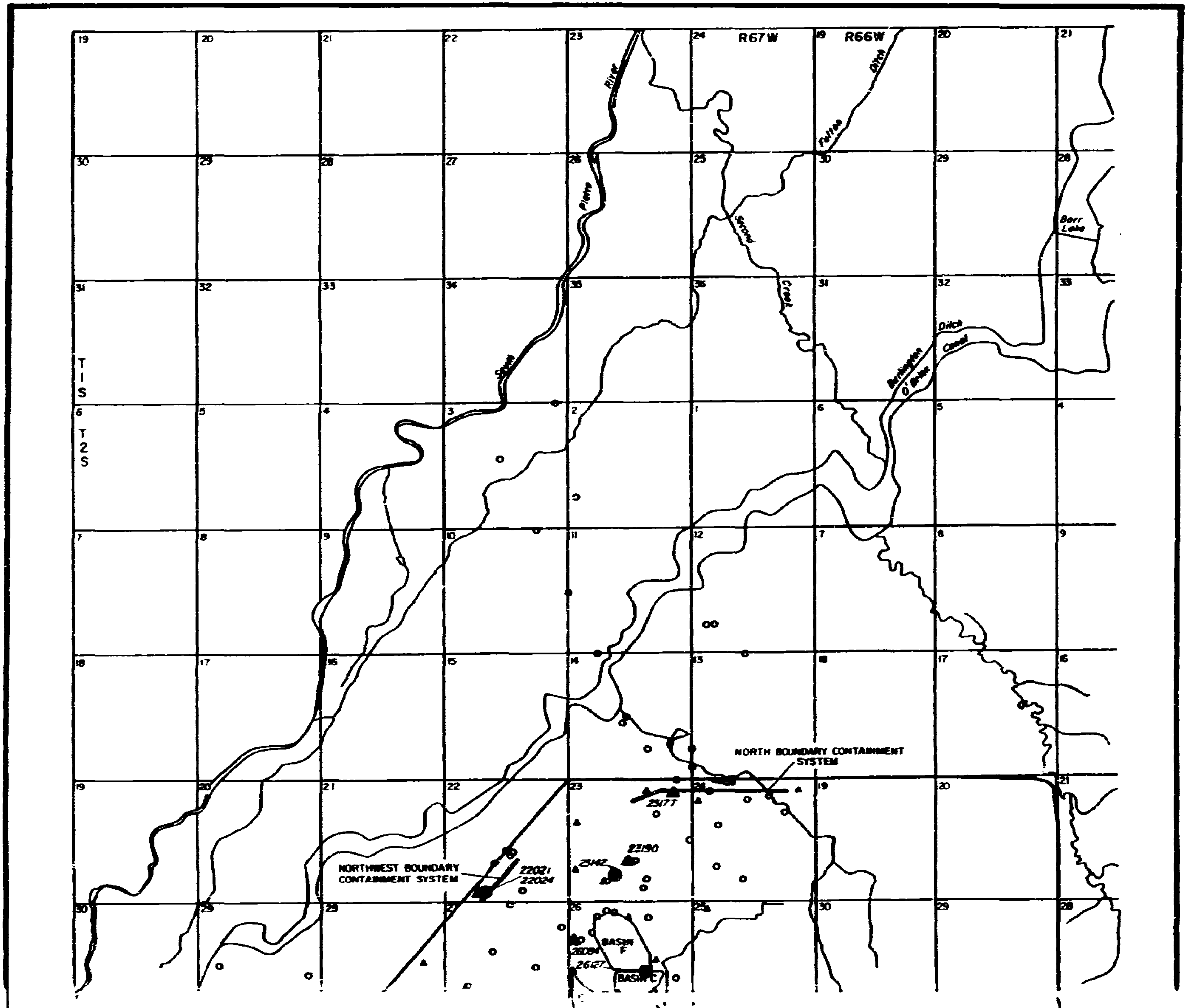
Figure D-184

TASK 4/44 GC/MS ANALYSIS NETWORK, OCTADECANE DETECTIONS

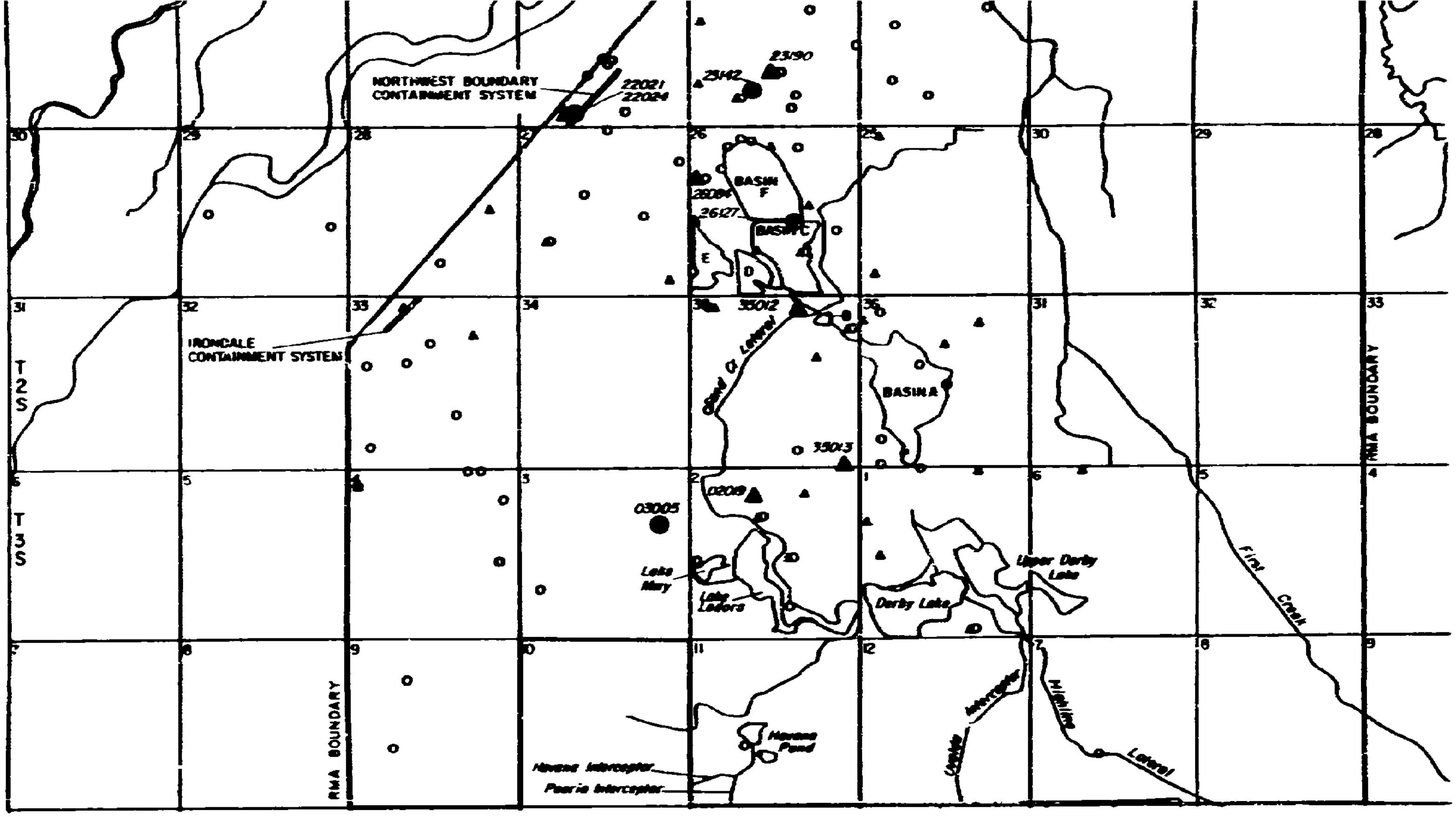
SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



R67W
R66W
T1S
T2S
River
Platte
South
Fulton
Ditch
Second
Creek
Barr Lake
Burlington
O'Brian
Ditch
Canal
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
25177
23190
25142
22021
22024
26084
26127
BASIN F
BASIN C



EXPLANATION

- o Alluvial Well
- Δ Denver Formation Well
- ● 03005 Alluvial Detection And Well Number
- ▲ 02019 Denver Formation Detection And Well Number

N

0 2500 5000
Scale in Feet

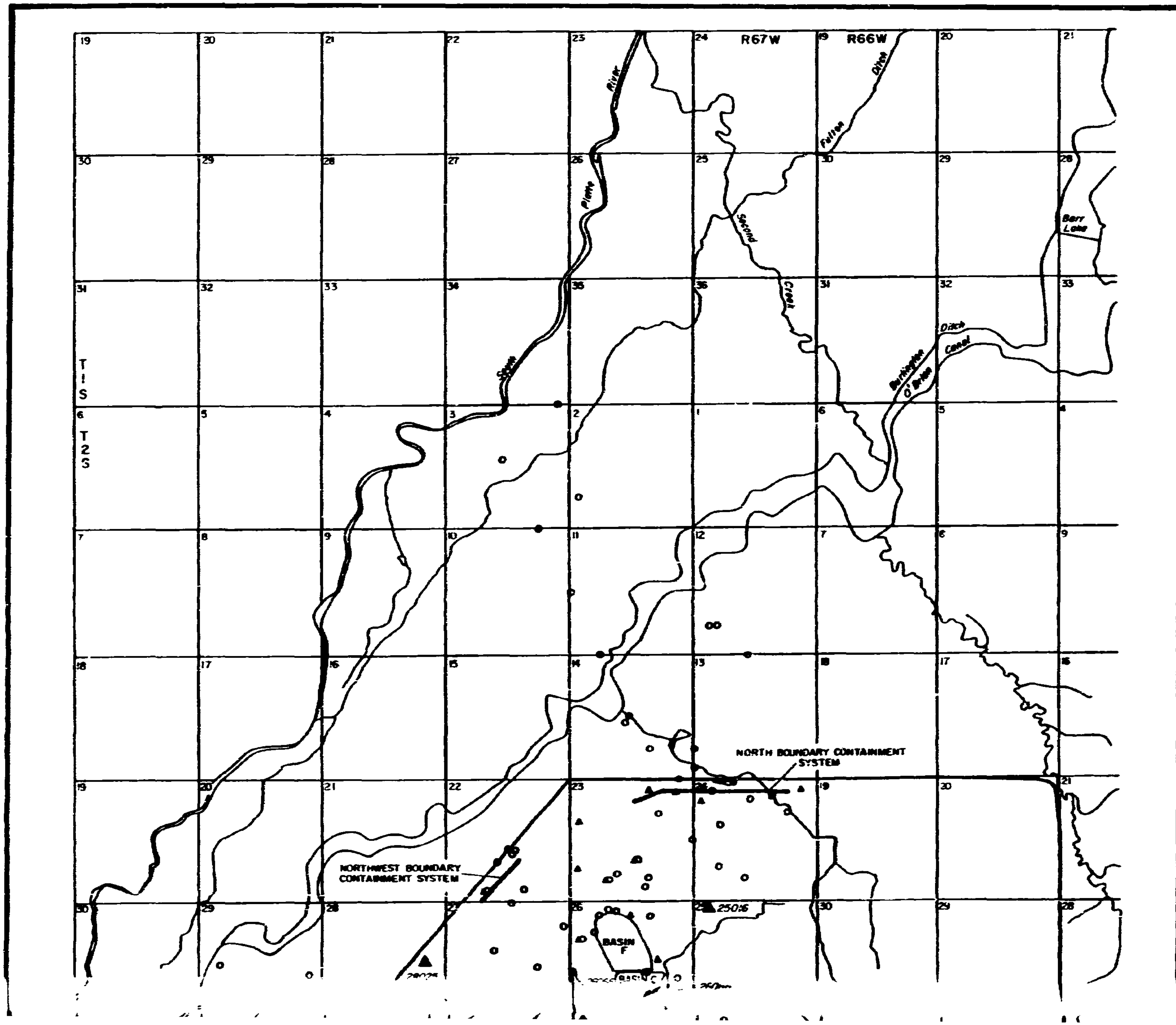
Figure D-185

TASK 4/44 GC/MS ANALYSIS NETWORK, TETRADECANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


R67W
R66W
T 1 S
T 2 S
South Platte River
Fulton Ditch
Second Creek
Barr Lake
Burlington O'Brien Ditch Canal
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
BASIN F

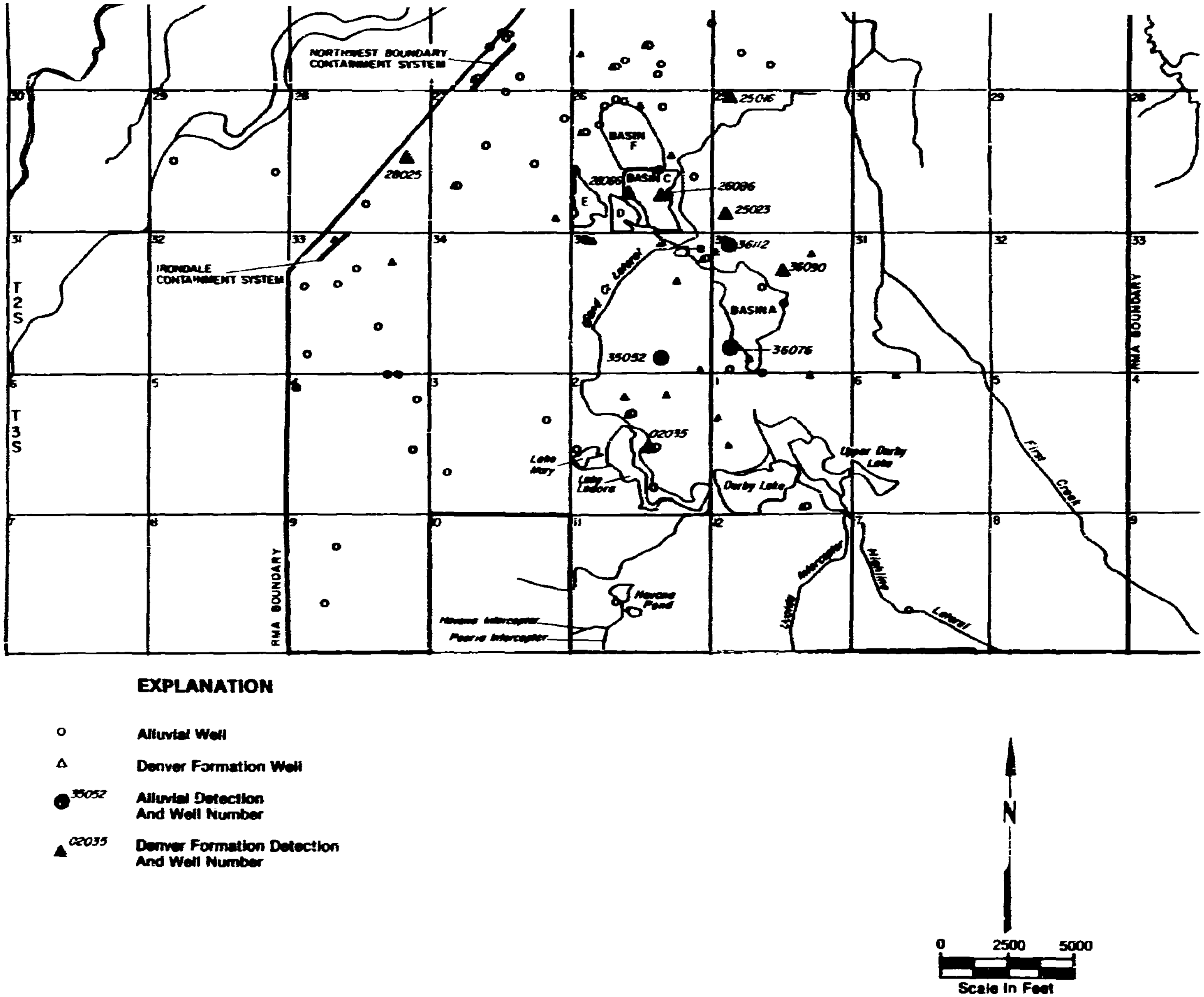


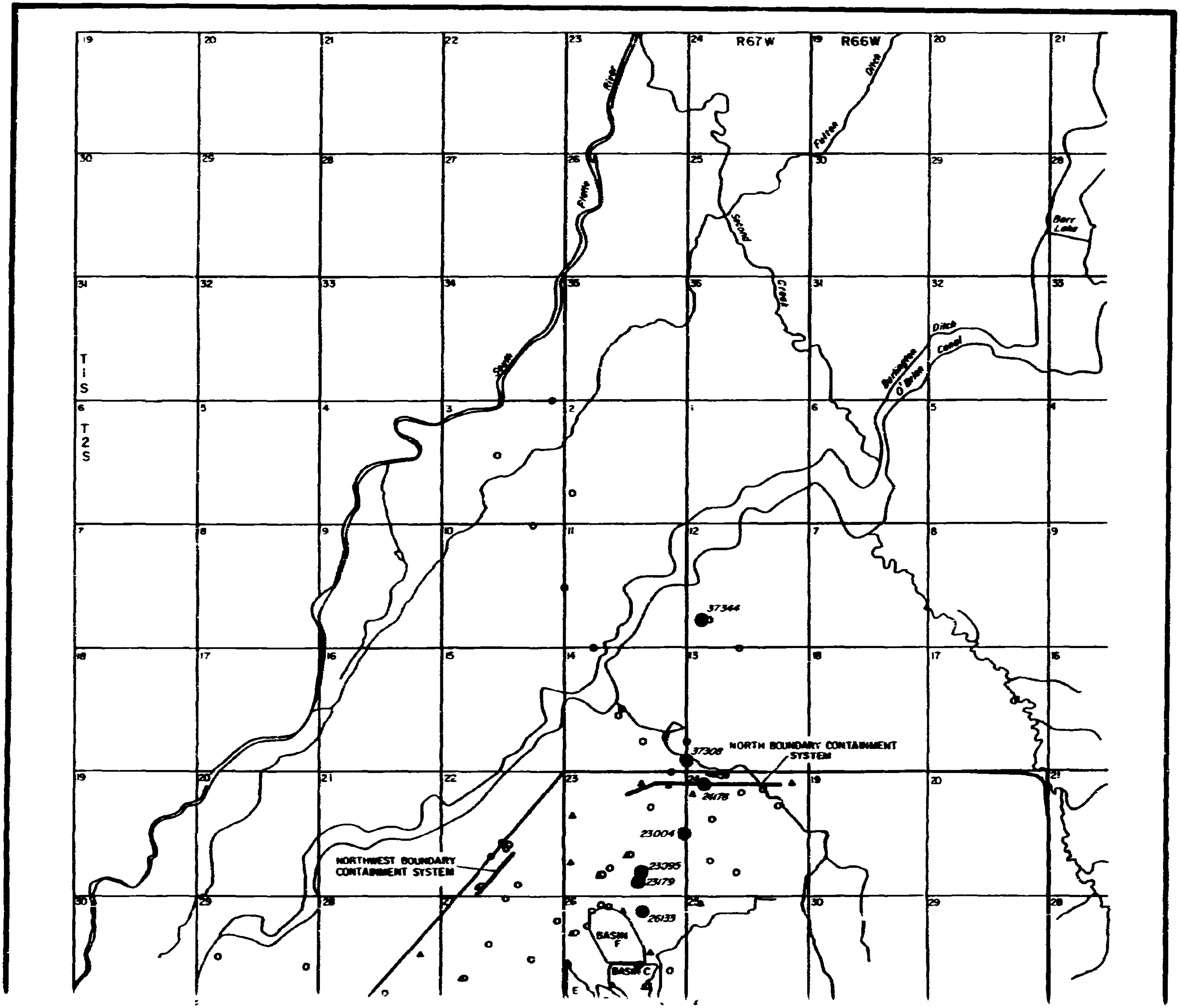
Figure D-186

TASK 4/44 GC/MS ANALYSIS NETWORK, OCTADECANOIC ACID DETECTIONS

SOURCE: ᵁ ·ter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



R67W
R66W
T1S
T2S
Platte River
Second Creek
Fulton Ditch
Barr Lake
Burlington O'Brien Canal
Ditch
37344
37308
NORTH BOUNDARY CONTAINMENT SYSTEM
24178
23004
23095
23179
26133
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
BASIN F
BASIN C
E

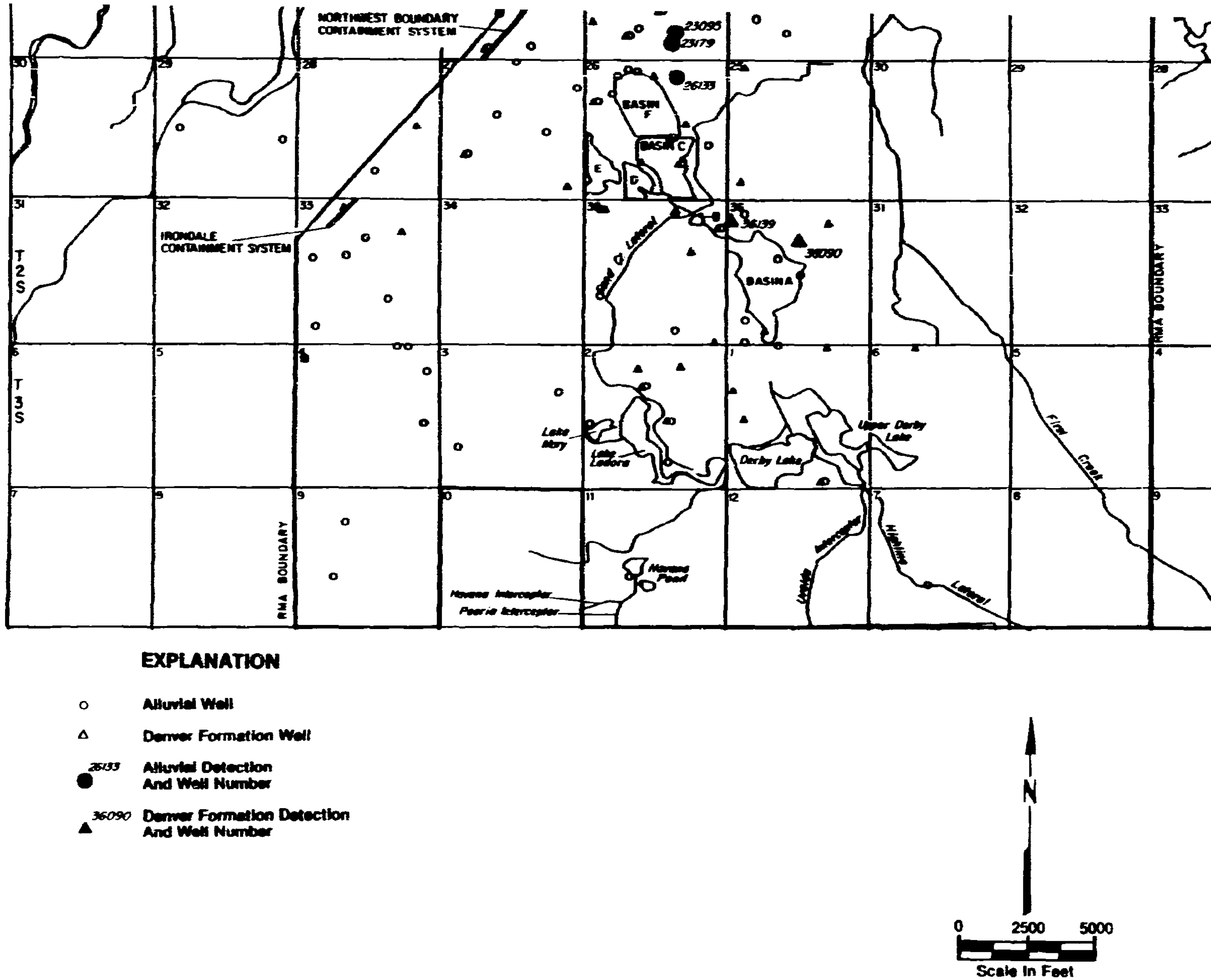


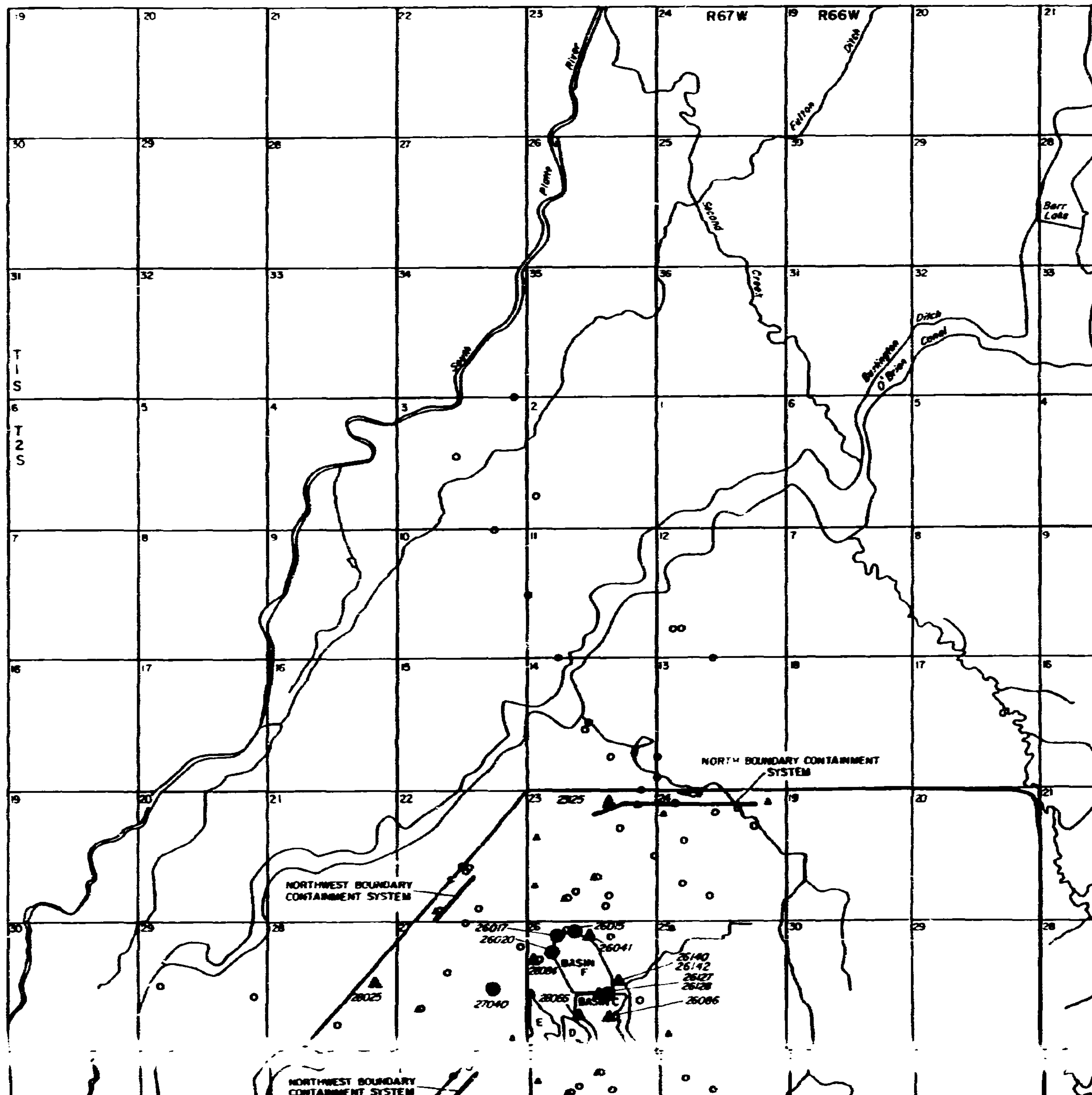
Figure D-187

TASK 4/44 GC/MS ANALYSIS NETWORK, TETRACHLOROETHENE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


R67W
R66W
T 1 S
T 2 S
Barr Lake
Fulton Ditch
Second Creek
Burlington Ditch
O'Brien Canal
South Platte River
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
BASIN F
BASIN C
D
E
2525
26017
26020
26015
26041
26084
26140
26142
26127
26128
26086
26065
27040
28025

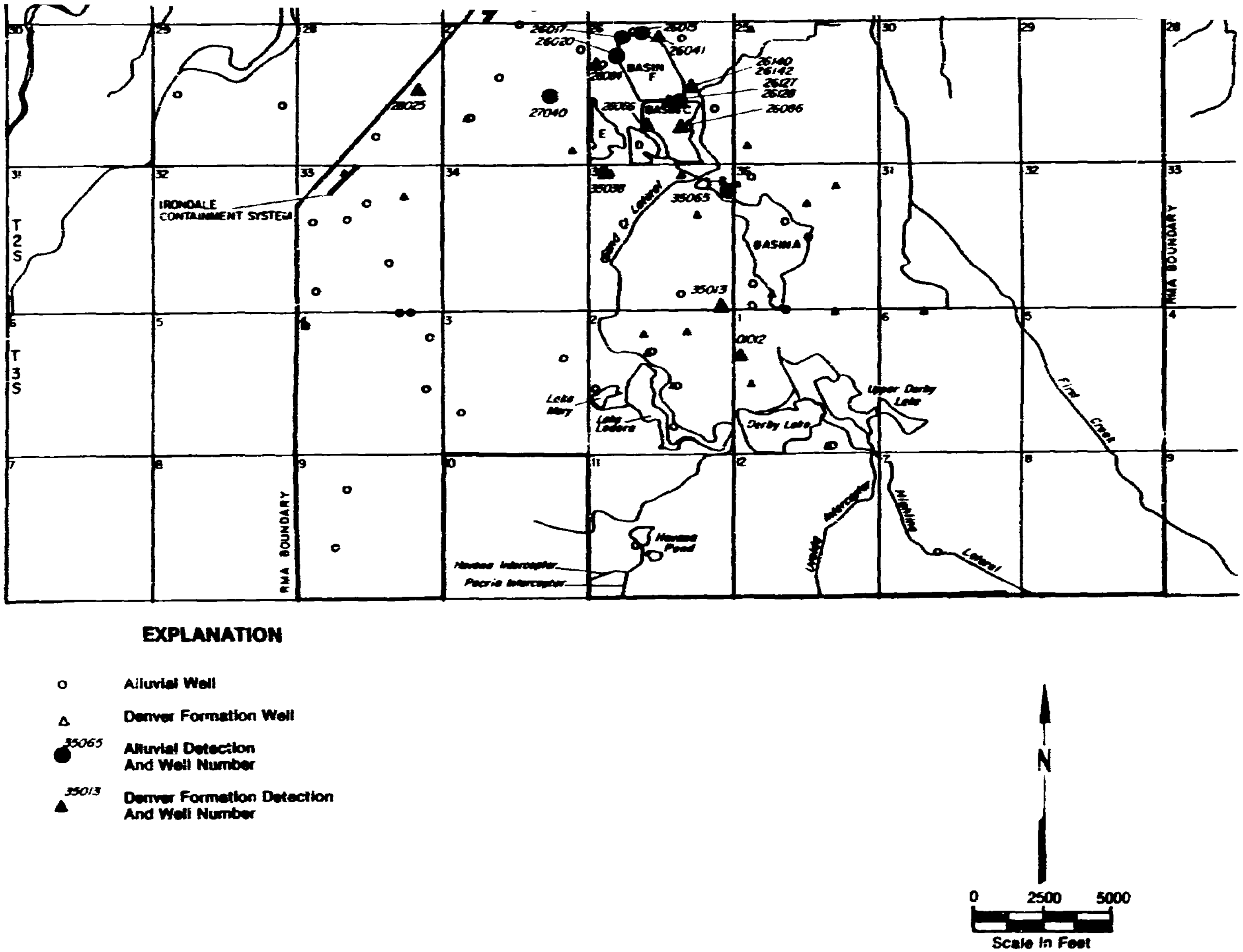


Figure D-188

TASK 4/44 GC/MS ANALYSIS NETWORK, TETRAHYDROFURAN DETECTIONS

SOURCE: Hunter/ESE

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

APPENDIX D.7: GC/MS DATA

GC/MS DETECTIONS, MOST FREQUENTLY DETECTED NONTARGET COMPOUNDS

3RD QUARTER FY 1986 TASK 4 GC/MS CONFIRMATION DATA

FIELD GROUP NUMBERS TC44, T4BWC, AND OPW2C ARE GC/MS RESULTS

SAMPLE LIST T4C

STORET CODE:					98551	34386	39330	39430	39320	39380	39390	39300	81580	98564	98563	98562	81512	98561
METHOD CODE:					BBB	S8	S8	S8	S8	S8	S8	S8	U8	U8	U8	U8	U8	U8
PARAMETER:					DIMP	HCCPD	ALDRIN	ISODRIN	P,P'-DDE	DIELDRIN	ENDRIN	P,P'-DDT	CMDS	1,4-OXAT	1,4-DITH	CPMS	BT7	CPMSO
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4CC	3	01020	06/25/86	10:30	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	25.4	<14.0		<17.0
T4CW	3	01020	06/25/86	10:30	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	4.96	33.5	<1.30		<4.20
T4BW	9	11002	05/29/86	08:45	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4BWC	2	11002	05/29/86	08:45	*<5.7	*<11.0	*<4.70	*<5.90	*<4.70	*<4.70	*<7.60	*<10.0	<3.00	*<6.10	*<11.0	*<14.0		*<17.0
T4CC	4	02019	06/24/86	09:06	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CW	15	02019	06/24/86	09:06	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC	5	02030	06/27/86	14:01	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CW	17	02030	06/27/86	14:01	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC	6	02035	06/25/86	09:02	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CW	20	02035	06/25/86	09:02	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC	7	02037	06/23/86	11:26	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CW	22	02037	06/23/86	11:26	<11	<0.070	<0.070	<0.060	<0.053	0.437	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC	8	02038	06/23/86	15:55	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CW	23	02038	06/23/86	15:55	<11	<0.070	<0.070	<0.060	<0.053	0.229	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC	9	02039	06/24/86	10:05	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CW	24	02039	06/24/86	10:05	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC	11	22021	06/12/86	09:37	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		[illegible]
T4CW	26	22021	06/12/86	09:37	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		[illegible]
T4CC	12	22024	06/12/86	07:28	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CW	27	22024	06/12/86	07:28	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC	13	23142	06/26/86	08:47	650	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	20.2	<14.0		<17.0
T4CW	34	23142	06/26/86	08:47	96	<0.350	<0.350	<0.300	<0.265	<0.300	<0.260	<0.350	<1.80	3.64	17.8	<1.30		<4.20
T4CC	15	23177	06/12/86	15:00	24	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CW	36	23177	06/12/86	15:00	33	<0.070	0.107	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC	16	23179	06/12/86	09:42	510	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	3.56	9.36	43.7	34.7		<17.0
T4CW	37	23179	06/12/86	09:42	590	1.92	<0.700	<0.060	<0.530	<0.060	<0.520	<0.700	<1.80	15.8	78.5	66.3		29.1
T4CC	17	23185	06/19/86	10:03	3000	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CW	41	23185	06/19/86	10:03	4800	<0.070	0.455	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	2.35	2.85	2.32		<4.20
T4CC	18	23188	06/19/86	11:46	670	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	45.1	<14.0		<17.0
T4CW	44	23188	06/19/86	11:46	1100	<0.070	0.192	<0.060	<0.053	0.083	0.110	0.095	<1.80	3.71	31.2	<1.30		<4.20
T4CC	19	23190	06/19/86	12:41	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CW	45	23190	06/19/86	12:41	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4BW	16	24150	05/29/86	09:00	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4BWC	3	24150	05/29/86	09:00	*<5.7	*<11.0	*<4.70	*<5.90	*<4.70	*<4.70	*<7.60	*<10.0	<3.00	*<6.10	*<11.0	*<14.0		*<17.0
T4CC	20	24170	06/19/86	14:22	210	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		67.8
T4CW	50	24170	06/19/86	14:22	290	<0.140	<0.140	<0.120	<0.106	0.865	0.739	<0.140	<1.80	<2.00	<1.10	20.6		122
T4CC	21	25023	06/25/86	08:36	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CW	59	25023	06/25/86	08:36	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC	23	26041	06/27/86	10:20	2300	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	103	<6.10	64.9	<14.0		<17.0
T4CW	65	26041	06/27/86	10:20	3100	<0.700	6.53	<0.600	<0.530	<0.600	<0.520	<0.700	<1.80	<2.00	56.1	<1.30		<4.20
T4CC	22	26066	06/25/86	09:25	70	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	39.1	268	<14.0		<17.0
T4CW	64	26066	06/25/86	09:25	88	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	32.8	342	1.39		<4.20
T4CC	24	26073	06/26/86	09:52	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CW	66	26073	06/26/86	09:52	<11	<0.700	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC	25	26083	06/23/86	14:52	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CW	68	26083	06/23/86	14:52	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC	26	26084	06/23/86	13:57	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CW	69	26084	06/23/86	13:57	<11	<0.070	<0.070	<0.060	<0.053	0.204	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC	27	26085	06/26/86	14:20	92	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CW	70	26085	06/26/86	14:20	110	<0.700	1.85	<0.600	<0.530	<0.600	<0.520	<0.700	<1.80	<2.00	<1.10	<1.30		<4.20

SAMPLE LIST T4C

STORET CODE:					81596	34030	34010	34371	98553	98554	34423	34501	34496	34546	32106	34531	34506	32102
METHOD CODE:					R6	W8	W8	W8	W8	W8	Y8	Y8	Y8	Y8	Y8	Y8	Y8	Y8
PARAMETER:					MIBK	BENZENE	TOLUEN	ETHYLBENZ	M-XYL	O&P-XYL	METHYLCL	11DCE	11DCLE	T12DCE	CHCL3	12DCLE	111TCE	CCL4
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4CC	3	01020	06/25/86	10:30	<2.00	<10.0	<1.00	<1.00	<1.00	<2.00	11.4		16.6	4.19	1170	1.53	2.71	<2.00
T4CM	3	01020	06/25/86	10:30	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	6.16	2.75	<24.0	<12.0	>200	<6.10	<17.0	<24.0
T4BM	9	11002	05/29/86	08:45	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4BMC	2	11002	05/29/86	08:45	<2.00	1.96	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CC	4	02019	06/24/86	09:06	5.71	16.5	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	15	02019	06/24/86	09:06	<12.9	37.2	4.52	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	5	02030	06/27/86	14:01	<2.00	<1.00	1.49	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	168	<1.00	<1.00	8.04
T4CM	17	02030	06/27/86	14:01	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	115	<0.610	<1.70	9.53
T4CC	6	02035	06/25/86	09:02	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	14.9		7.52	<2.00	283	<1.00	<1.00	7.84
T4CM	20	02035	06/25/86	09:02	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	8.38	<1.20	195	<0.610	<1.70	7.54
T4CC	7	02037	06/23/86	11:26	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	5.58	<1.00	<1.00	<2.00
T4CM	22	02037	06/23/86	11:26	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	2.79	<0.610	<1.70	<2.40
T4CC	8	02038	06/23/86	15:55	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	9.18	<1.00	<1.00	<2.00
T4CM	23	02038	06/23/86	15:55	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	7.44	<0.610	<1.70	<2.40
T4CC	9	02039	06/24/86	10:05	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	24	02039	06/24/86	10:05	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	11	22021	06/12/86	09:37	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	17.5	<1.00	<1.00	<2.00
T4CM	26	22021	06/12/86	09:37	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	11.6	<0.610	<1.70	<2.40
T4CC	12	22024	06/12/86	07:28	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	27	22024	06/12/86	07:28	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	13	23142	06/26/86	08:47	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	34	23142	06/26/86	08:47	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	15	23177	06/12/86	15:00	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	1.99	<1.00	<1.00	<2.00
T4CM	36	23177	06/12/86	15:00	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	16	23179	06/12/86	09:42	<2.00	40.2	<1.00	<1.00	<1.00	3.24	104		3.40	<2.00	32000	115	<1.00	<2.00
T4CM	37	23179	06/12/86	09:42	<12.9	38.7	2.71	3.59	<1.35	3.52	125	<1.10	3.70	<1.20	22500	<0.610	<1.70	<2.40
T4CC	17	23185	06/19/86	10:03	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	41	23185	06/19/86	10:03	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	18	23188	06/19/86	11:46	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	1.53	<1.00	<2.00
T4CM	44	23188	06/19/86	11:46	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	1.59	<1.76	<2.40
T4CC	19	23190	06/19/86	12:41	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	45	23190	06/19/86	12:41	<12.9	<1.34	<1.21	<1.28	[illegible]	[illegible]	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4BM	16	24150	05/29/86	09:00	<12.9	<1.34	<1.21	<1.28	<1.	<2.4.	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4BMC	3	24150	05/29/86	09:00	<2.00	3.70	<1.00	<1.00	[illegible]	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CC	20	24178	06/19/86	14:22	<2.00	<1.00	<1.00	<1.00	[illegible]	<2.00	<5.00		<2.00	<2.00	1120	1.79	<1.00	4.53
T4CM	50	24178	06/19/86	14:22	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	504	<6.610	<1.70	4.22
T4CC	21	25023	06/25/86	08:36	<2.00	<1.00	<1.00	<1.00	<1.00	<2.06	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	59	25023	06/25/86	08:36	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	23	26041	06/27/86	10:28	32.7	58.1	953	<1.00	<1.00	<2.00	<5.00		<2.00	2.19	<1.00	140	<1.00	<2.00
T4CM	65	26041	06/27/86	10:28	<12.9	50.6	1070	<1.28	1.71	19.2	<5.00	<1.10	<1.20	<1.20	<1.40	2.25	<1.70	<2.40
T4CC	22	26066	06/25/86	09:25	<2.00	2.10	[illegible]	<1.00	<1.00	<2.00	10.2		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	64	26066	06/25/86	09:25	<12.9	2.17	[illegible]	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	24	26073	06/26/86	09:52	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	15.1	<1.00	<1.00	5.10
T4CM	66	26073	06/26/86	09:52	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	12.0	<0.610	<1.70	5.75
T4CC	25	26083	06/23/86	14:52	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	68	26083	06/23/86	14:52	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	26	26084	06/23/86	13:57	<2.00	16.4	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	69	26084	06/23/86	13:57	<12.9	6.81	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	27	26085	06/26/86	14:20	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	27.0	<1.00	<1.00	<2.00
T4CM	70	26085	06/26/86	14:20	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	21.1	<0.610	<1.70	<2.40

SAMPLE LIST T4C

STORET CODE:					34511	34475	34301
METHOD CODE:					Y8	Y8	Y8
PARAMETER:					112TCE	TCLEE	CLC6H5
UNITS:					UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME			
T4CC	3	01020	06/25/86	10:30	<1.00	8.03	50.3
T4CM	3	01020	06/25/86	10:30	<100	4.67	12.7
T4BM	9	11002	05/29/86	08:45	<1.00	<1.30	<0.500
T4BMC	2	11002	05/29/86	08:45	<1.00	<1.00	<2.00
T4CC	4	02019	06/24/86	09:06	<1.00	<1.00	<2.00
T4CM	15	02019	06/24/86	09:06	<1.00	<1.30	<0.500
T4CC	5	02030	06/27/86	14:01	<1.00	<1.00	<2.00
T4CM	17	02030	06/27/86	14:01	<1.00	<1.30	<0.500
T4CC	6	02035	06/25/86	09:02	<1.00	2.63	<2.00
T4CM	20	02035	06/25/86	09:02	<1.00	<1.30	8.64
T4CC	7	02037	06/23/86	11:26	<1.00	<1.00	<2.00
T4CM	22	02037	06/23/86	11:26	<1.00	<1.30	<0.500
T4CC	8	02038	06/23/86	15:55	<1.00	<1.00	<2.00
T4CM	23	02038	06/23/86	15:55	<1.00	<1.30	<0.500
T4CC	9	02039	06/24/86	10:05	<1.00	<1.00	<2.00
T4CM	24	02039	06/24/86	10:05	<1.00	<1.30	<0.500
T4CC	11	22021	06/12/86	09:37	<1.00	<1.00	<2.00
T4CM	26	22021	06/12/86	09:37	<1.00	<1.30	<0.500
T4CC	12	22024	06/12/86	07:28	<1.00	<1.00	<2.00
T4CM	27	22024	06/12/86	07:28	<1.00	<1.30	<0.500
T4CC	13	23142	06/26/86	08:47	<1.00	<1.00	<2.00
T4CM	34	23142	06/26/86	08:47	<5.00	<1.30	<0.500
T4CC	15	23177	06/12/86	15:00	<1.00	<1.00	<2.00
T4CM	36	23177	06/12/86	15:00	<1.00	<1.30	<0.500
T4CC	16	23179	06/12/86	09:42	<1.00	75.2	<2.00
T4CM	37	23179	06/12/86	09:42	<1.00	75.5	<0.500
T4CC	17	23185	06/19/86	10:03	<1.00	<1.00	<2.00
T4CM	41	23185	06/19/86	10:03	<1.00	<1.30	<0.500
T4CC	18	23188	06/19/86	11:46	<1.00	<1.00	<2.00
T4CM	44	23188	06/19/86	11:46	<1.00	<1.30	<0.500
T4CC	19	23190	06/19/86	12:41	<1.00	<1.00	<2.00
T4CM	45	23190	06/19/86	12:41	<1.00	<1.30	<0.500
T4BM	16	24150	05/29/86	09:00	<1.00	<1.30	<0.500
T4BMC	3	24150	05/29/86	09:00	<1.00	<1.00	<2.00
T4CC	20	24178	06/19/86	14:22	<1.00	57.4	<2.00
T4CM	50	24178	06/19/86	14:22	<1.00	49.2	<0.500
T4CC	21	25023	06/25/86	08:36	<1.00	<1.00	<2.00
T4CM	59	25023	06/25/86	08:36	<1.00	<1.30	<0.500
T4CC	23	26041	06/27/86	10:28	<1.00	<1.00	2.16
T4CM	65	26041	06/27/86	10:28	<1.00	<1.30	2.77
T4CC	22	26066	06/25/86	09:25	<1.00	4.27	9.67
T4CM	64	26066	06/25/86	09:25	<1.00	3.96	7.60
T4CC	24	26073	06/26/86	09:52	<1.00	<1.00	<2.00
T4CM	66	26073	06/26/86	09:52	<1.00	<1.30	<0.500
T4CC	25	26083	06/23/86	14:52	<1.00	<1.00	<2.00
T4CM	68	26083	06/23/86	14:52	<1.00	<1.30	<0.500
T4CC	26	26084	06/23/86	13:57	<1.00	<1.00	<2.00
T4CM	69	26084	06/23/86	13:57	<1.00	<1.30	<0.500
T4CC	27	26085	06/26/86	14:20	<1.00	<1.00	<2.00
T4CM	70	26085	06/26/86	14:20	<1.00	<1.30	<0.500

SAMPLE LIST T4C

STORET CODE:				99133	99133	99133	77985	77985	77985
METHOD CODE:				OB	BBB	MB	RB	BBB	MB
PARAMETER:				DBCP	DBCP	DBCP	DCPD	DCPD	DCPD
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME						
T4CC	3	01020	06/25/86 10:30		27	16		<4.7	<2.0
T4CM	3	01020	06/25/86 10:30	16.1			<9.31		
T4BM	9	11002	05/29/86 08:45	<0.130			<9.31		
T4BMC	2	11002	05/29/86 08:45		*<15	<4.0		*<4.7	<2.0
T4CC	4	02019	06/24/86 09:06		<15	<4.0		<4.7	<2.0
T4CM	15	02019	06/24/86 09:06	<0.130			<9.31		
T4CC	5	02030	06/27/86 14:01		<15	<4.0		<4.7	<2.0
T4CM	17	02030	06/27/86 14:01	<0.130			<9.31		
T4CC	6	02035	06/25/86 09:02		<15	<4.0		<4.7	<2.0
T4CM	20	02035	06/25/86 09:02	<0.130			<9.31		
T4CC	7	02037	06/23/86 11:26		<15	<4.0		<4.7	<2.0
T4CM	22	02037	06/23/86 11:26	<0.130			<9.31		
T4CC	8	02038	06/23/86 15:55		<15	<4.0		<4.7	<2.0
T4CM	23	02038	06/23/86 15:55	<0.130			<9.31		
T4CC	9	02039	06/24/86 10:05		<15	<4.0		<4.7	<2.0
T4CM	24	02039	06/24/86 10:05	<0.130			<9.31		
T4CC	11	22021	06/12/86 09:37		<15	<4.0		<4.7	<2.0
T4CM	26	22021	06/12/86 09:37	<0.130			<9.31		
T4CC	12	22024	06/12/86 07:28		<15	<4.0		<4.7	<2.0
T4CM	27	22024	06/12/86 07:28	<0.130			<9.31		
T4CC	13	23142	06/26/86 08:47		<15	<4.0		<4.7	<2.0
T4CM	34	23142	06/26/86 08:47	<0.130			<9.31		
T4CC	15	23177	06/12/86 15:00		<15	<4.0		<4.7	<2.0
T4CM	36	23177	06/12/86 15:00	<0.130			<9.31		
T4CC	16	23179	06/12/86 09:42		<15	<4.0		810	530
T4CM	37	23179	06/12/86 09:42	0.953			736		
T4CC	17	23185	06/19/86 10:03		<15	<4.0		<4.7	<2.0
T4CM	41	23185	06/19/86 10:03	<0.130			<9.31		
T4CC	18	23188	06/19/86 11:46		<15	<4.0		42	15
T4CM	44	23188	06/19/86 11:46	<0.130			16.8		
T4CC	19	23190	06/19/86 12:41		<15	<4.0		<4.7	<2.0
T4CM	45	23190	06/19/86 12:41	<0.130			<9.31		
T4BM	16	24150	05/29/86 09:00	<0.130			<9.31		
T4BMC	3	24150	05/29/86 09:00		*<15	<4.0		*<4.7	<2.0
T4CC	20	24178	06/19/86 14:22		<15	9.5		24	35
T4CM	50	24178	06/19/86 14:22	7.25			34.2		
T4CC	21	25023	06/25/86 08:36		<15	<4.0		<4.7	<2.0
T4CM	59	25023	06/25/86 08:36	<0.130			<9.31		
T4CC	23	26041	06/27/86 10:28		<15	<4.0		89	83
T4CM	65	26041	06/27/86 10:28	<0.130			40.5		
T4CC	22	26066	06/25/86 09:25		<15	<4.0		<4.7	<2.0
T4CM	64	26066	06/25/86 09:25	<0.130			<9.31		
T4CC	24	26073	06/26/86 09:52		<15	<4.0		<4.7	<2.0
T4CM	66	26073	06/26/86 09:52	<0.130			<9.31		
T4CC	25	26083	06/23/86 14:52		<15	<4.0		<4.7	<2.0
T4CM	68	26083	06/23/86 14:52	<0.130			<9.31		
T4CC	26	26084	06/23/86 13:57		<15	<4.0		<4.7	<2.0
T4CM	69	26084	06/23/86 13:57	<0.130			<9.31		
T4CC	27	26085	06/26/86 14:20		<15	<4.0		<4.7	<2.0
T4CM	70	26085	06/26/86 14:20	0.239			<9.31		

SAMPLE LIST 1..

:ORET CODE: / :THOD CODE: / IRAMETER: / IITS:				98551 / 8B9 / DIMP / UG/L	34386 / S8 / HCCPD / UG/L	39330 / S8 / ALDRIN / UG/L	39430 / S8 / ISODRIN / UG/L	39320 / S8 / P,P'-DDE / UG/L	39380 / S8 / DIELDRIN / UG/L	39390 / S8 / ENDRIN / UG/L	39300 / S8 / P,P'-DDT / UG/L	81580 / U8 / DMDS / UG/L	98564 / U8 / 1,4-OXAT / UG/L	98563 / U8 / 1,4-DITH / UG/L	98562 / U8 / CPMS / UG/L	81512 / U8 / BTZ / UG/L	98561 / U8 / CPMSO / UG/L
.D.GRP. #	SAMPLE ID	DATE	TIME														
T4CC 28	26086	06/24/86	13:55	178	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CH 71	26086	06/24/86	13:55	210	<0.070	<0.070	<0.060	<0.053	0.620	0.142	<0.070	<1.00	<2.00	13.6	<1.30		<4.20
T4CC 29	26127	06/26/86	12:58	1900	<11.0	5.20	<5.90	<4.70	12.7	<7.60	<10.0	<3.00	<6.10	74.8	<14.0		<17.0
T4CH 72	26127	06/26/86	12:58	1900	<0.070	0.667	<0.300	<0.053	1.49	0.391	<0.070	<1.00	5.35	59.6	<1.30		<4.20
T4CC 30	26128	06/24/86	13:34	1000	<11.0	5.64	<5.90	<4.70	56.9	7.64	<10.0	<3.00	<6.10	42.3	<14.0		<17.0
T4CH 73	26128	06/24/86	13:34	1700	<0.700	1.00	<0.600	<0.530	6.41	1.34	<0.700	<1.00	7.02	72.4	2.62		<4.20
T4CC 31	26133	06/27/86	09:06	690	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<300	26.5	69.1	527		<17.0
T4CH 74	26133	06/27/86	09:06	950	<0.700	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	<1.00	15.4	59.7	612		14.6
T4CC 32	26140	06/24/86	08:52	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CH 75	26140	06/24/86	08:52	<11	<0.070	<0.070	<0.060	<0.053	0.537	0.103	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC 33	27040	06/19/86	09:15	36	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CH 88	27040	06/19/86	09:15	44	<0.700	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC 34	27062	06/12/86	10:52	27	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CH 87	27062	06/12/86	10:52	29	<0.070	<0.070	<0.060	<0.053	0.119	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC 35	28025	06/19/86	14:35	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CH 89	28025	06/19/86	14:35	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4MC 6	28027	06/04/86	07:44	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4MM 35	28027	06/04/86	07:44		<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4CC 18	03005	06/11/86	11:50	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.6		<17.0
T4CH 25	03005	06/11/86	11:50	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4MC 7	33060	06/04/86	08:56	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4MM 26	33060	06/04/86	08:56		<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4CC 36	35012	06/11/86	16:18	3500	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	28.7	192	<14.0		<17.0
T4CH 94	35012	06/11/86	16:18	10000	<0.070	0.908	<0.060	<0.053	0.220	<0.052	<0.070	<1.00	37.4	345	<1.30		<4.20
T4CC 37	35013	06/12/86	14:21	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CH 95	35013	06/12/86	14:21	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC 38	35052	06/25/86	12:01	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.6
T4CH 100	35052	06/25/86	12:01	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC 39	35065	06/30/86	09:48	2500	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<30.0	23.7	134	<14.0		<17.0
T4CH 106	35065	06/30/86	09:48	1900	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	9.44	86.7	<1.30		10.2
T4MC 1	03523	06/04/86	13:47	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4MM 1	03523	06/04/86	13:47		<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4CC 40	36001	06/23/86	14:09	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	8.00	<10.0	129	<6.10	<11.0	69.5		<17.0
T4CH 109	36001	06/23/86	14:09	<11	<0.700	<0.700	<0.600	<0.530	0.659	5.66	<0.700	22.6	<2.00	<1.10	59.6		<4.20
T4CC 41	36076	06/25/86	14:24	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3000	27.9	28.2	<14.0		<17.0
T4CH 113	36076	06/25/86	14:24	<11	<1.40	<1.40	<1.20	<1.06	<1.20	<1.04	<1.40	<1.00	32.6	42.8	14.4		19.9
T4CC 42	36082	06/27/86	10:02	490	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<300	179	972	<14.0		<17.0
T4CH 114	36082	06/27/86	10:02	590	<0.700	4.87	<0.600	<0.530	<0.600	<0.520	<0.700	<1.00	133	679	4.51		<4.20
T4CC 43	36112	06/30/86	08:52	1000	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	76.8	458	<14.0		<17.0
T4CH 117	36112	06/30/86	08:52	1500	<0.070	<0.070	0.149	<0.053	<0.060	<0.052	<0.070	<1.00	73.3	541	2.59		<4.20
OPCW2 2	37307	06/18/86	11:41	41	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPCW2C 2	37307	06/18/86	11:41	35	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPCW2 3	37308	06/16/86	15:17	330	<0.070	<0.070	<0.060	<0.053	0.521	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		81.8
OPCW2C 3	37308	06/16/86	15:17	270	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		49.2
OPCW2 5	37312	06/17/86	11:13	22	<0.070	<0.070	<0.120	<0.053	1.42	1.11	<0.140	<1.00	<2.00	<1.10	<1.30		<4.20
OPCW2C 1	37312	06/17/86	11:13	14	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPCW2 12	37332	06/16/86	11:58	<11	<0.070	<0.070	<0.060	<0.053	0.363	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPCW2C 5	37332	06/16/86	11:58	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPCW2 21	37343	06/13/86	08:34	1100	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPCW2C 6	37343	06/13/86	08:39	36	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0

SAMPLE LIST T4C

STORET CODE:					81596	34030	34010	34371	98553	98554	34423	34501	34496	34546	32106	34531	34506	32102
METHOD CODE:					R8	W8	W8	W8	W8	W8	Y8	Y8	Y8	Y8	Y8	Y8	Y8	Y8
PARAMETER:					MIBK	BENZENE	TOLUEN	ETHYLBENZ	M-XYL	OBP-XYL	METHYLCL	11DCE	11DCLE	T12DCE	CHCL3	12DCLE	111TCE	CCL4
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4CC	20	26006	06/24/86	13:55	<2.00	1.95	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	71	26006	06/24/86	13:55	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	29	26127	06/26/86	12:50	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	77	26127	06/26/86	12:50	<12.9	<1.34	2.47	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	30	26128	06/24/86	13:34	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	73	26128	06/24/86	13:34	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	31	26133	06/27/86	09:06	462	605	270	<100	<100	<200	1710		<200	<200	68000	<100	<100	<200
T4CM	74	26133	06/27/86	09:06	<250	645	356	7.77	8.49	53.7	640	<1.10	8.34	<1.20	19200	<0.610	<1.70	<2.40
T4CC	32	26140	06/24/86	08:52	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	36.0	<1.00	<1.00	<2.00
T4CM	75	26140	06/24/86	08:52	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	27.9	<0.610	<1.70	<2.40
T4CC	33	27040	06/19/86	09:15	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	3.77	<1.00	<2.00
T4CM	80	27040	06/19/86	09:15	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	1.81	2.74	<1.70	<2.40
T4CC	34	27062	06/12/86	10:52	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	33.9	<1.00	<1.00	<2.00
T4CM	87	27062	06/12/86	10:52	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	12.5	<0.610	<1.70	<2.40
T4CC	35	28025	06/19/86	14:35	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	89	28025	06/19/86	14:35	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4WC	6	28027	06/04/86	07:44	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	2.25	<2.00
T4WM	35	28027	06/04/86	07:44		1.48	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	1.95	<2.40
T4CC	18	63005	06/11/86	11:50	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	1.49	<1.00	<1.00	<2.00
T4CM	25	63005	06/11/86	11:50	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4WC	7	33060	06/04/86	08:56	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4WM	26	33060	06/04/86	08:56		1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	36	35012	06/11/86	16:18	<2.00	40.9	1.33	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	94	35012	06/11/86	16:18	<12.9	39.6	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	37	35013	06/12/86	14:21	<2.00	1.78	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	14.6	<1.00	<1.00	64.1
T4CM	95	35013	06/12/86	14:21	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	5.18	<1.20	<1.20	11.3	<0.610	<1.70	56.0
T4CC	38	35052	06/25/86	12:01	<2.00	5.78	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	2.32	<1.00	<1.00	<2.00
T4CM	100	35052	06/25/86	12:01	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	1.62	<1.40	<0.610	<1.70	<2.40
T4CC	39	35065	06/30/86	09:48	<20.0	<10.0	<10.0	<10.0	<10.0	<20.0	<50.0		<20.0	<20.0	<10.0	<10.0	<10.0	<20.0
T4CM	106	35065	06/30/86	09:48	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	1.35	<1.20	<1.40	<0.610	<1.70	<2.40
T4WC	1	03523	06/04/86	13:47	<2.00	3.88	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	12.4	<1.00	<1.00	<2.00
T4WM	1	03523	06/04/86	13:47		9.84	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	8.97	<0.610	<1.70	<2.40
T4[illegible]	40	36001	06/23/86	14:09	5670	16700	401	572	580	728	125			108	5100	3.49		273
T4CM	109	36001	06/23/86	14:09	3740	27300	582	714	860	1050	RE	7.06	<1.20	<1.20	4780	<0.610	<1.70	282
T4CC	41	36076	06/25/86	14:24	<2000	<1000	<1000	[illegible]	<1000	<2000	30100		<2000	<2000	14900	<1000	<1000	<2000
T4CM	113	36076	06/25/86	14:24	24.0	490	9.12	.8	<1.35	<2.47	3830	1.21	6.43	<1.20	6700	<0.610	<1.70	<2.40
T4CC	42	36082	06/27/86	10:02	<200	164	<100	20	<100	<200	<500		<200	<200	<100	<100	<100	<200
T4CM	114	36082	06/27/86	10:02	<12.9	4.05	<1.21	.28	2.11	<2.47	<5.00	<1.10	<1.20	<1.20	4.15	8.91	<1.70	<2.40
T4CC	43	36112	06/30/86	08:52	<2.00	2.65	<1.00	.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	117	36112	06/30/86	08:52	<12.9	3.65	<1.21	1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	28.9	<0.610	<1.70	<2.40
OPGW2	2	37307	06/18/86	11:41	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPGW2C	2	37307	06/18/86	11:41	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
OPGW2	3	37308	06/16/86	15:17	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	2.00	2.82	<1.70	<2.40
OPGW2C	3	37308	06/16/86	15:17	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	7.12	3.28	<1.00	<2.00
OPGW2	5	37312	06/17/86	11:13	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPGW2C	1	37312	06/17/86	11:13	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	2.28	<1.00	<1.00	<2.00
OPGW2	12	37332	06/16/86	11:58	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	4.47	<0.610	<1.70	<2.40
OPGW2C	5	37332	06/16/86	11:58	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	6.04	<1.00	<1.00	<2.00
OPGW2	21	37343	06/13/86	08:34	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPGW2C	6	37343	06/13/86	08:39	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00

SAMPLE LIST T~

ORET CODE:					34511	34475	34301
THOD CODE:					Y8	Y8	Y8
ARAMETER:					112TCE	TCLEE	CLC6H5
NITS:					UG/L	UG/L	UG/L
.D.GRP.	#	SAMPLE ID	DATE	TIME			
T4CC	28	26006	06/24/86	13:55	<1.00	<1.00	<2.00
T4CM	71	26006	06/24/86	13:55	<1.00	<1.30	<0.500
T4CC	29	26127	06/26/86	12:58	<1.00	<1.00	2.37
T4CM	72	26127	06/26/86	12:58	<1.00	<1.30	<0.500
T4CC	30	26128	06/24/86	13:34	<1.00	<1.00	2.39
T4CM	73	26128	06/24/86	13:34	<1.00	<1.30	2.63
T4CC	31	26133	06/27/86	09:06	<100	495	<200
T4CM	74	26133	06/27/86	09:06	<1.00	510	5.25
T4CC	32	26140	06/24/86	08:52	<1.00	<1.00	<2.00
T4CM	75	26140	06/24/86	08:52	<1.00	<1.30	<0.500
T4CC	33	27040	06/19/86	09:15	<1.00	<1.00	<2.00
T4CM	80	27040	06/19/86	09:15	<1.00	<1.30	<0.500
T4CC	34	27062	06/12/86	10:52	<1.00	<1.00	<2.00
T4CM	87	27062	06/12/86	10:52	<1.00	<1.30	<0.500
T4CC	35	28025	06/19/86	14:35	<1.00	<1.00	<2.00
T4CM	89	28025	06/19/86	14:35	<5.00	<1.30	<0.500
T4MC	6	28027	06/04/86	07:44	<1.00	<1.00	<2.00
T4MM	35	28027	06/04/86	07:44	<1.00	<1.30	<0.500
T4CC	10	03005	06/11/86	11:50	<1.00	<1.00	<2.00
T4CM	25	03005	06/11/86	11:50	<1.00	<1.30	<0.500
T4MC	7	33060	06/04/86	08:56	<1.00	<1.00	<2.00
T4MM	26	33060	06/04/86	08:56	<1.00	<1.30	<0.500
T4CC	36	35012	06/11/86	16:18	<1.00	<1.00	80.0
T4CM	94	35012	06/11/86	16:18	<1.00	<1.30	58.3
T4CC	37	35013	06/12/86	14:21	<1.00	4.03	<2.00
T4CM	95	35013	06/12/86	14:21	<1.00	4.31	<0.500
T4CC	38	35052	06/25/86	12:01	<1.00	<1.00	10.3
T4CM	100	35052	06/25/86	12:01	<1.00	<1.30	<0.500
T4CC	39	35065	06/30/86	09:48	<10.0	19.7	<20.0
T4CM	106	35065	06/30/86	09:48	<1.00	15.4	5.76
T4MC	1	03523	06/04/86	13:47	<1.00	<1.00	<2.00
T4MM	1	03523	06/04/86	13:47	<1.00	<1.30	<0.500
T4CC	40	36001	06/23/86	14:09		227	28200
T4CM	109	36001	06/23/86	14:09	<1.00	164	30000
T4CC	41	36076	06/25/86	14:24	<1000	<1000	16500
T4CM	113	36076	06/25/86	14:24	3.00	6.27	6300
T4CC	42	36082	06/27/86	10:02	<100	<100	413
T4CM	114	36082	06/27/86	10:02	<1.00	<1.30	1.90
T4CC	43	36112	06/30/86	09:52	<1.00	<1.00	<2.00
T4CM	117	36112	06/30/[illegible]	[illegible]:52	<1.00	1.88	<0.500
OPGM2	2	37307	06/18/[illegible]	11:41	<1.00	<1.30	<0.500
OPGM2C	2	37307	06/18/86	11:41	<1.00	<1.00	<2.00
OPGM2	3	37308	06/16/86	15:17	<1.00	40.5	<0.500
OPGM2C	3	37308	06/16/86	15:17	<1.00	36.3	<2.00
OPGM2	5	37312	06/17/86	11:13	<1.00	<1.30	<0.500
OPGM2C	1	37312	06/17/86	11:13	<1.00	<1.00	<2.00
OPGM2	12	37332	06/16/86	11:58	<1.00	<1.30	<0.500
OPGM2C	5	37332	06/16/86	11:58	<1.00	<1.00	<2.00
OPGM2	21	37343	06/13/86	08:34	<1.00	<1.30	<0.500
OPGM2C	6	37343	06/13/86	08:39	[illegible]	<1.00	<2.00

SAMPLE LIST T4C

STORET CODE:					99133	99133	99133	77985	77985	77985
METHOD CODE:					08	BB8	R8	R8	BB8	R8
PARAMETER:					DBCP	DBCP	DBCP	DCPD	DCPD	DCPD
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME						
T4CC	28	26006	06/24/86	13:55		<15	<4.0		<4.7	<2.0
T4CM	71	26006	06/24/86	13:55	<0.130			<9.31		
T4CC	29	26127	06/26/86	12:58		<15	<4.0		<4.7	<2.0
T4CM	72	26127	06/26/86	12:58	<0.130			<9.31		
T4CC	30	26128	06/24/86	13:34		<15	<4.0		<4.7	<2.0
T4CM	73	26128	06/24/86	13:34	<0.130			<9.31		
T4CC	31	26133	06/27/86	09:06		39	<400		1100	1000
T4CM	74	26133	06/27/86	09:06	26.4			935		
T4CC	32	26140	06/24/86	08:52		<15	<4.0		<4.7	<2.0
T4CM	75	26140	06/24/86	08:52	<0.130			<9.31		
T4CC	33	27040	06/19/86	09:15		<15	<4.0		<4.7	<2.0
T4CM	80	27040	06/19/86	09:15	0.433			<9.31		
T4CC	34	27062	06/12/86	10:52		<15	<4.0		<4.7	<2.0
T4CM	87	27062	06/12/86	10:52	0.330			<9.31		
T4CC	35	28025	06/19/86	14:35		<15	<4.0		<4.7	<2.0
T4CM	89	28025	06/19/86	14:35	<0.130			<9.31		
T4MC	6	28027	06/04/86	07:44		<15	<4.0		<4.7	<2.0
T4MM	35	28027	06/04/86	07:44	<0.130					
T4CC	10	03005	06/11/86	11:58		<15	<4.0		<4.7	6.2
T4CM	25	03005	06/11/86	11:58	<0.130			<9.31		
T4MC	7	33060	06/04/86	08:56		<15	<4.0		<4.7	<2.0
T4MM	26	33060	06/04/86	08:56	<0.130					
T4CC	36	35012	06/11/86	16:18		<15	<4.0		<4.7	<2.0
T4CM	94	35012	06/11/86	16:18	<0.130			<9.31		
T4CC	37	35013	06/12/86	14:21		<15	<4.0		<4.7	<2.0
T4CM	95	35013	06/12/86	14:21	<0.130			<9.31		
T4CC	38	35052	06/25/86	12:01		<15	<4.0		<4.7	<2.0
T4CM	100	35052	06/25/86	12:01	<0.130			<9.31		
T4CC	39	35065	06/30/86	09:48		<15	<40		70	<20
T4CM	106	35065	06/30/86	09:48	<0.130			33.9		
T4MC	1	03523	06/04/86	13:47		53	56		<4.7	<2.0
T4MM	1	03523	06/04/86	13:47	40.9					
T4CC	40	36001	06/23/86	14:09		200	140		73	53
T4CM	109	36001	06/23/86	14:09	141			34.2		
T4CC	41	36076	06/25/86	14:24		<15	<4000		<4.7	<2000
T4CM	113	36076	06/25/86	14:24	0.644			<9.31		
T4CC	42	36082	06/27/86	10:02		<15	<400		28	<200
T4CM	114	36082	06/27/86	10:02	<0.130			17.9		
T4CC	43	36112	06/30/86	08:52		<15	<4.0		<4.7	<2.0
T4CM	117	36112	06/30/86	08:52	<0.130			<9.31		
OPGM2	2	37307	06/18/86	11:41	<0.130			<9.31		
OPGM2C	2	37307	06/18/86	11:41		<15	<4.0		<4.7	<2.0
OPGM2	3	37308	06/16/86	15:17	0.876			111		
OPGM2C	3	37308	06/16/86	15:17		<15	<4.0		150	120
OPGM2	5	37312	06/17/86	11:13	<0.130			<9.31		
OPGM2C	1	37312	06/17/86	11:13		<15	<4.0		<4.7	<2.0
OPGM2	12	37332	06/16/86	11:58	<0.130			<9.31		
OPGM2C	5	37332	06/16/86	11:58		<15	<4.0		<4.7	<2.0
OPGM2	21	37343	06/13/86	08:34	<0.139			<9.31		
OPGM2C	6	37343	06/13/86	08:39		<15	<4.0		<4.7	8.4

SAMPLE LIST T4C

TORET CODE:					98551	34386	39330	39430	39320	39380	39390	39300	81500	98564	98563	98562	81512	98561
ETHOD CODE:					000	S8	S8	S8	S8	S8	S8	S8	U8	U8	U8	U8	U8	U8
ARAMETER:					DIMP	HCCPD	ALDRIN	ISODRIN	P,P'-DDE	DIELDRIN	ENDRIN	P,P'-DDT	DMDS	1,4-OXAT	1,4-DITH	CPMS	BTZ	CPMSO
NITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
LD.GRP.	#	SAMPLE ID	DATE	TIME														
OPGW2	31	37353	06/12/86	11:32	210	<0.073	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPGW2C	8	37353	06/12/86	11:32	140	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPGW2	32	37354	06/11/86	10:06	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPGW2C	4	37354	06/11/86	10:06	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4WC	2	04007	06/04/86	14:13	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4WW	2	04007	06/04/86	14:13		<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4WC	3	04030	06/04/86	08:24	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	35.0	<6.10	<11.0	<14.0		<17.0
T4WW	10	04030	06/04/86	08:24		<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4WC	4	04033	06/04/86	09:01	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4WW	13	04033	06/04/86	09:01		<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4BW	4	06005	06/04/86	11:37	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4BWC	4	6005	06/04/86	11:37	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4BW	5	07001	05/29/86	11:26	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4BWC	1	07001	05/29/86	11:26	*<5.7	*<11.0	*<4.70	*<5.90	*<4.70	*<4.70	*<7.60	*<10.0	<3.00	*<6.10	*<11.0	*<14.0		*<17.0
T4WC	5	09005	06/05/86	11:05	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4WW	15	09005	06/05/86	11:05		<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
OPGW2	8	BOLLER	07/01/86	09:32	120	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		8.40
OPGW2C	7	BOLLER	07/01/86	09:32	120	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CC	1	01012	06/25/86	12:50	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CW	1	01012	06/25/86	12:50	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	2	01014	07/01/86	08:36	<29	<55.0	<23.5	<29.5	<23.5	<23.5	<38.0	<50.0	<300	<30.5	<55.0	<70.0		<85.0
T4CW	2	01014	07/01/86	08:36	<11	<0.700	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	<1.00	4.31	<1.10	<1.30		<4.20

SAMPLE LIST T4C

STORET CODE:					01596	34030	34010	34371	90553	90554	34423	34501	34496	34546	32106	34531	34506	32102
METHOD CODE:					R8	W8	W8	W8	W8	W8	Y8	Y8	Y8	Y8	Y8	Y8	Y8	Y8
PARAMETER:					MIBK	BENZENE	TOLUEN	ETHYLBENZ	M-XYL	O&P-XYL	METHYLCL	11DCE	11DCLE	T12DCE	CHCL3	12DCLE	111TCE	CCL4
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
OPGW2	31	37353	06/12/06	11:32	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.26	<1.40	<0.610	<1.70	<2.40
OPGW2C	8	37353	06/12/06	11:32	4.01	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
OPGW2	32	37354	06/11/06	10:06	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPGW2C	4	37354	06/11/06	10:06	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	2.21	<1.00	<1.00	<2.00
T4WC	2	04007	06/04/06	14:13	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.[illegible]	7.38	<1.00	<1.00	<1.00	<2.00
T4WM	2	04007	06/04/06	14:13		<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	8.64	<1.40	<0.610	<1.70	<2.40
T4WC	3	04030	06/04/06	08:24	<2.00	3.31	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	4.21	4.40	<1.00	<1.00	<2.00
T4WM	10	04030	06/04/06	08:24		2.96	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	2.54	3.29	<0.610	<1.70	<2.40
T4WC	4	04033	06/04/06	09:01	<2.00	36.6	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4WM	13	04033	06/04/06	09:01		266	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4BW	4	06005	06/04/06	11:37	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4BWC	4	6005	06/04/06	11:37	<2.00	12.1	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4BW	5	07001	05/29/06	11:26	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4BWC	1	07001	05/29/06	11:26	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	.5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4WC	5	09005	06/05/06	11:05	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	10.9	<1.00	<1.00	<1.00	<2.00
T4WM	15	09005	06/05/06	11:05		<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	7.29	<1.40	<0.610	<1.70	<2.40
OPGW2	8	BOLLER	07/01/06	09:32	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	27.3	<0.610	<1.70	<2.40
OPGW2C	7	BOLLER	07/01/06	09:32	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	39.7	<1.00	<1.00	<2.00
T4CC	1	01012	06/25/06	12:50	2.58	<1.00	<1.50	<1.00	<1.00	<2.00	<5.00		<2.00	3.87	2.06	<1.00	<1.00	<2.00
T4CW	1	01012	06/25/06	12:50	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	1.75	3.62	1.95	<0.610	<1.70	<2.40
T4CC	2	01014	07/01/06	08:36	<200	185000	1090	441	1090	846	<500		<200	<200	<100	<100	<106	<200
T4CW	2	01014	07/01/06	08:36	<12.9	212000	832	273	695	1740	<5.00	<1.10	<1.20	<1.20	<1.40	8.00	<1.70	<2.40

SAMPLE LIST T

STORET CODE:					34511	34475	34301
METHOD CODE:					Y0	Y0	Y0
PARAMETER:					112TCE	TCLEE	CLC6H5
UNITS:					UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME			
OPGM2	31	37353	06/12/86	11:32	<1.00	<1.30	<0.500
OPGM2C	8	37353	06/12/86	11:32	<1.00	<1.00	<2.00
OPGM2	32	37354	06/11/86	10:06	<1.00	<1.30	<0.560
OPGM2C	4	37354	06/11/86	10:06	<1.00	<1.00	<2.00
T4MC	2	04007	06/04/86	14:13	<1.00	1.83	<2.00
T4MM	2	04007	06/04/86	14:13	<1.00	2.11	<0.500
T4MC	3	04030	06/04/86	08:24	<1.00	<1.00	<2.00
T4MM	18	04030	06/04/86	08:24	<1.00	<1.30	<0.500
T4MC	4	04033	06/04/86	09:01	<1.00	<1.00	<2.00
T4MM	13	04033	06/04/86	09:01	<1.00	<1.30	<0.500
T4BM	4	06005	06/04/86	11:37	<1.00	<1.30	<0.500
T4BMC	4	6005	06/04/86	11:37	<1.00	<1.00	<2.00
T4BM	5	07001	05/29/86	11:26	<1.00	<1.30	<0.500
T4BMC	1	07001	05/29/86	11:26	<1.00	<1.00	<2.00
T4MC	5	09005	06/05/86	11:05	<1.00	2.01	<2.00
T4MM	15	09005	06/05/86	11:05	<1.00	1.84	<0.500
OPGM2	8	BOLLER	07/01/86	09:32	<1.00	6.56	<0.500
OPGM2C	7	BOLLER	07/01/86	09:32	<1.00	5.90	<2.00
T4CC	1	01012	06/25/86	12:50	<1.00	15.8	<2.00
T4CM	1	01012	06/25/86	12:50	<1.00	10.8	<0.500
T4CC	2	01014	07/01/86	08:36	<100	<100	<200
T4CM	2	01014	07/01/86	08:36	<1.00	<1.30	<0.500

SAMPLE LIST T4C

ORET CODE:					99133	99133	99133	77985	77985	77985
THOD CODE:					08	088	H8	R8	088	H8
RAMETER:					DBCP	DBCP	DBCP	DCPD	DCPD	DCPD
ITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
.D.GRP.	#	SAMPLE ID	DATE	TIME						
OPGM2	31	37353	06/12/06	11:32	<0.130			<9.31		
OPGM2C	0	37353	06/12/06	11:32		<15	<4.0		<4.7	<2.0
OPGM2	32	37354	06/11/06	10:06	<0.130			<9.31		
OPGM2C	4	37354	06/11/06	10:06		<15	<4.0		<4.7	<2.0
T4MC	2	04007	06/04/06	14:13		<15	<4.0		<4.7	<2.0
T4MM	2	04007	06/04/06	14:13	<0.130					
T4MC	3	04030	06/04/06	08:24		<15	<4.0		<4.7	<2.0
T4MM	10	04030	06/04/06	08:24	<0.130					
T4MC	4	04033	06/04/06	09:01		<15	<4.0		<4.7	<2.0
T4MM	13	04033	06/04/06	09:01	<0.130					
T4BM	4	06005	06/04/06	11:37	<0.130			<9.31		
T4BMC	4	6005	06/04/06	11:37		<15	<4.0		<4.7	<2.0
T4BM	5	07001	05/29/06	11:26	<0.130			<9.31		
T4BMC	1	07001	05/29/06	11:26		*<15	<4.0		*<4.7	<2.0
T4MC	5	09005	06/05/06	11:05		<15	<4.0		<4.7	<2.0
T4MM	15	09005	06/05/06	11:05	<0.130					
OPGM2	8	BOLLER	07/01/06	09:32	0.332			<9.31		
OPGM2C	7	BOLLER	07/01/06	09:32		<15	<4.0		<4.7	<2.0
T4CC	1	01012	06/25/06	12:50		<15	<4.0		<4.7	<2.0
T4CM	1	01012	06/25/05	12:50	0.244			<9.31		
T4CC	2	01014	07/01/06	08:36		<75	<400		72000	3700
T4CM	2	01014	07/01/06	08:36	<0.130			3360		

4TH QUARTER FY 1986 TASK 4 GC/MS CONFIRMATION DATA

FIELD GROUP NUMBERS T4CC2, T4WC2, AND OPG3C ARE GC/MS RESULTS

STORET CODE:					98551	34386	39330	39430	39320	39380	39390	39300	81580	98564	98563	98562	81512	98561
METHOD CODE:					BBS	S8	S8	S8	S8	S8	S8	S8	U8	U8	U8	U8	U8	U8
PARAMETER:					DIMP	HCCPD	ALDRIN	ISODRIN	P,P'-DDE	DIELDRIN	ENDRIN	P,P'-DDT	DMDS	1,4-OXAT	1,4-DITH	CPMS	BTZ	CPMSO
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4C2	4	01021	09/18/86	14:22	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	1	01021	09/18/86	07:00	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.90	<6.10	<11.0	<14.0		<17.0
T4C2	6	01023	09/18/86	11:09	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	2	01023	09/18/86	11:09	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	16	02020	09/17/86	11:16	<11	<0.070	<0.070	<0.060	<0.053	0.430	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	4	02020	09/17/86	11:16	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	19	02034	09/05/86	13:57	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	5	02034	09/05/86	13:57	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	20	02035	09/05/86	15:00	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	6	02035	09/05/86	15:00	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	28	22059	09/03/86	10:24	<11	<0.070	<0.070	<0.060	<0.053	0.127	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	7	22059	09/03/86	10:24	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	29	22060	09/03/86	08:05	<11	<0.070	<0.070	<0.060	<0.053	0.396	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	8	22060	09/03/86	08:05	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	31	23095	09/03/86	12:31	1100	<0.700	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	<1.80	10.8	91.0	<1.30		<4.20
T4CC2	9	23095	09/03/86	12:31	600	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	4.33	10.1	67.7	<14.0		<17.0
T4C2	33	23125	09/25/86	15:24	19	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	10	23125	09/25/86	15:24	10	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	37	23179	09/02/86	09:57	700	2.29	<1.40	<1.20	<1.06	<1.20	<1.04	<1.40	<1.80	17.9	73.0	73.4		13.6
T4CC2	12	23179	09/02/86	09:57	540	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	55.0	115		<17.0
T4C2	39	23182	09/04/86	10:12	<11	<0.070	<0.076	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	14	23182	09/04/86	10:12	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	40	23183	09/04/86	14:07	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	15	23183	09/04/86	14:07	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	50	24178	09/22/86	14:50	300	0.207	<0.070	<0.060	<0.053	3.35	2.22	<0.070	<1.80	<2.00	<1.10	13.5		95.9
T4CC2	18	24178	09/22/86	14:50	>290	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		70.3
T4C2	51	24185	09/23/86	08:50	<11	<0.070	<0.070	<0.060	<0.053	0.396	0.080	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	19	24185	09/23/86	08:50	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	57	25016	09/05/86	11:06	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	0.133	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	20	25016	09/05/86	11:06	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	60	26011	09/19/86	08:54	19	<0.070	0.109	<0.060	<0.053	0.164	<0.052	<0.070	<1.80	<2.00	1.99	<1.30		<4.20
T4CC2	21	26011	09/19/86	08:54	15	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	61	26015	09/22/86	09:10	590	<0.070	<0.070	<0.060	<0.053	0.112	<0.052	<0.070	<1.80	2.46	11.7	<1.30		<4.20
T4CC2	22	26015	09/22/86	09:10	410	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	62	26017	09/22/86	10:53	130	<0.070	<0.070	<0.060	<0.053	0.183	<0.052	<0.070	<1.80	<2.00	5.27	<1.30		<4.20
T4CC2	23	26017	09/22/86	10:53	61	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	63	26020	09/23/86	08:45	920	<0.070	<0.070	<0.060	<0.053	0.201	<0.052	<0.070	<1.80	<2.00	2.93	<1.30		<4.20
T4CC2	24	26020	09/23/86	08:45									<3.00					
T4C2	65	26041	09/23/86	07:10	3300	<0.700	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	10.0	8.46	54.5	48.0		<42.0
T4CC2	25	26041	09/23/86	07:10	2500	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	42.3	<6.10	62.1	<14.0		<17.0
T4C2	72	26127	09/29/86	10:20	1700	<0.070	<0.070	<0.060	<0.053	2.42	0.366	1.14	<1.80	4.42	34.3	<1.30		<4.20
T4CC2	26	26127	09/29/86	10:20	1300	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	40.1	<14.0		<17.0
T4C2	74	26133	09/19/86	12:07	950	<1.40	<1.40	<0.060	<1.06	2.24	<1.04	<1.40	<1.80	11.4	31.7	360		31.4
T4CC2	27	26133	09/19/86	12:07	470	<11.0	<4.70	<5.90	<4.70	7.84	<7.60	<10.0	<300	13.0	35.3	400		18.6
T4C2	76	26142	09/24/86	07:48	<11	<0.070	<0.700	<0.060	<0.053	2.52	<0.520	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	28	26142	09/24/86	07:48	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	122	27016	09/26/86	08:22	14	<0.070	<0.070	<0.060	<0.053	0.246	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	29	27016	09/26/86	08:22	6.6	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	81	27053	09/19/86	08:52	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	30	27053	09/19/86	08:52	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0

SAMPLE LIST T4C3

STORET CODE:					81596	34030	34010	34371	98553	98554	34423	34501	34496	34546	32106	34531	34506	32102
METHOD CODE:					R8	W8	W8	W8	W8	W8	Y6	Y8	Y8	Y8	Y8	Y8	Y8	Y8
PARAMETER:					MIBK	BENZENE	TOLUEN	ETHYLBENZ	M-XYL	O&P-XYL	METHYLCL	11DCE	11DCLE	T12DCE	CHCL3	12DCLE	111TCE	CCL4
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4C2	4	01021	09/10/86	14:22	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	1	01021	09/10/86	07:00	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	6	01023	09/10/86	11:09	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	2	01023	09/10/86	11:09	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	16	02020	09/17/86	11:16	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	2.50	<1.20	31.9	<0.610	<1.70	<2.40
T4CC2	4	02020	09/17/86	11:16	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		2.82	<2.00	36.0	<1.00	<1.00	<2.00
T4C2	19	02034	09/05/86	13:57	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	4.29	<1.20	13.3	<0.610	<1.70	<2.40
T4CC2	5	02034	09/05/86	13:57	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		4.61	<2.00	14.6	<1.00	<1.00	<2.00
T4C2	20	02035	09/05/86	15:00	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	6.74	<1.20	162	<0.610	<1.70	13.5
T4CC2	6	02035	09/05/86	15:00	<2.00	<1.00	<1.60	<1.00	<1.00	<2.00	<5.00		10.0	<2.00	>166	<1.00	<1.00	16.7
T4C2	28	22059	09/03/86	10:24	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	14.1	<0.610	<1.70	<2.40
T4CC2	7	22059	09/03/86	10:24	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	17.9		<2.00	<2.00	9.09	<1.00	<1.00	<2.00
T4C2	29	22060	09/03/86	08:05	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	8	22060	09/03/86	08:05	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	>160		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	31	23095	09/03/86	12:31	<12.9	22.0	6.40	2.05	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	1420	<0.610	<1.70	<2.40
T4CC2	9	23095	09/03/86	12:31	6.22	23.7	<1.00	<1.00	<1.00	2.25	<5.00		<2.00	<2.00	3860	43.1	<1.00	<2.00
T4C2	33	23125	09/25/86	15:24	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	1.71	<0.610	<1.70	<2.40
T4CC2	10	23125	09/25/86	15:24	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	2.24	<1.00	<1.00	<2.00
T4C2	37	23179	09/02/86	09:57	<12.9	32.8	460	<1.28	<1.35	<2.47	128	<1.10	<1.20	<1.20	26900	<0.610	<1.70	<2.40
T4CC2	12	23179	09/02/86	09:57	<2.00	31.5	<1.00	<1.00	<1.00	2.85	150		3.35	<2.00	>16600	122	<1.00	<2.00
T4C2	39	23182	09/04/86	10:12	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	14	23182	09/04/86	10:12	<2.00	<1.90	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	40	23183	09/04/86	14:07	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	15	23183	09/04/86	14:07	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	50	24178	09/22/86	14:50	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	124	<0.610	<1.70	2.66
T4CC2	18	24178	09/22/86	14:50	<2.00	1.14	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	163	1.39	<1.00	2.73
T4C2	51	24185	09/23/86	08:50	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	19	24185	09/23/86	08:50	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	57	25016	09/05/86	11:06	<12.9	15.4	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	20	25016	09/05/86	11:06	<2.00	5.62	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	60	26011	09/19/86	08:54	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	21	26011	09/19/86	08:54	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	61	26015	09/22/86	09:10	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	22	26015	09/22/86	09:10	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	62	26017	09/22/86	10:53	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	23	26017	09/22/86	10:53	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	63	26020	09/23/86	08:45	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	24	26020	09/23/86	08:45	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	65	26041	09/23/86	07:10	<12.9	48.4	729	2.22	<1.35	2.59	<100	<22.0	<24.0	<24.0	<28.0	19.9	<34.0	<48.0
T4CC2	25	26041	09/23/86	07:10	25.1	<27.5	<25.0	<5.00	<5.00	<10.0	<25.0		<10.0	<10.0	<5.00	<25.0	<5.00	<10.0
T4C2	72	26127	09/29/86	10:20	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	26	26127	09/29/86	10:20	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	74	26133	09/19/86	12:07	<323	562	195	8.41	8.52	55.0	<25.0	<1.10	<6.00	<600	48000	<61.0	<170	<240
T4CC2	27	26133	09/19/86	12:07	<200	536	199	<100	<100	<200	814		<200	<200	68300	<100	<100	<200
T4C2	76	26142	09/24/86	07:48	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	28	26142	09/24/86	07:48	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	122	27016	09/26/86	08:22	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	29	27016	09/26/86	08:22	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	81	27053	09/19/86	08:52	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	30	27053	09/19/86	08:52	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00

SAMPLE LIST T4C3

STORET CODE:					34511	34475	34381
METHOD CODE:					Y8	Y8	Y8
PARAMETER:					112TCE	TCLEE	CLC6H5
UNITS:					UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME			
T4C2	4	01021	09/18/86	14:22	<1.00	<1.30	<0.500
T4CC2	1	01021	09/18/86	07:00	<1.00	<1.00	<2.00
T4C2	6	01023	09/18/86	11:09	<1.00	<1.30	<0.500
T4CC2	2	01023	09/18/86	11:09	<1.00	<1.00	<2.00
T4C2	16	02020	09/17/86	11:16	<1.00	<1.30	<0.500
T4CC2	4	02020	09/17/86	11:16	<1.00	<1.00	<2.00
T4C2	19	02034	09/05/86	13:57	<1.00	1.36	<0.500
T4CC2	5	02034	09/05/86	13:57	<1.00	<1.00	<2.00
T4C2	20	02035	09/05/86	15:00	<1.00	2.90	<0.500
T4CC2	6	02035	09/05/86	15:00	<1.00	3.59	<2.00
T4C2	28	22059	09/03/86	10:24	<1.00	<1.30	<0.500
T4CC2	7	22059	09/03/86	10:24	<1.00	<1.00	<2.00
T4C2	29	22060	09/03/86	08:05	<1.00	<1.30	<0.500
T4CC2	8	22060	09/03/86	08:05	<1.00	<1.00	<2.00
T4C2	31	23095	09/03/86	12:31	<1.00	31.5	<0.500
T4CC2	9	23095	09/03/86	12:31	<1.00	34.3	<2.00
T4C2	33	23125	09/25/86	15:24	<1.00	<1.30	<0.500
T4CC2	10	23125	09/25/86	15:24	<1.00	<1.00	<2.00
T4C2	37	23179	09/02/86	09:57	<1.00	67.7	<0.500
T4CC2	12	23179	09/02/86	09:57	<1.00	59.0	<2.00
T4C2	39	23182	09/04/86	10:12	<1.00	<1.30	<0.500
T4CC2	14	23182	09/04/86	10:12	<1.00	<1.00	<2.00
T4C2	40	23183	09/04/86	14:07	<1.00	<1.30	<0.500
T4CC2	15	23183	09/04/86	14:07	<1.00	<1.00	<2.00
T4C2	50	24178	09/22/86	14:50	<1.00	48.2	<0.500
T4CC2	18	24178	09/22/86	14:50	<1.00	55.7	<2.00
T4C2	51	24185	09/23/86	08:56	<1.00	<1.30	<0.500
T4CC2	19	24185	09/23/86	08:56	<1.00	<1.00	<2.00
T4C2	57	25016	09/05/86	11:06	<1.00	<1.30	<0.500
T4CC2	20	25016	09/05/86	11:06	<1.00	<1.00	<2.00
T4C2	60	26011	09/19/86	08:54	<1.00	<1.30	<0.500
T4CC2	21	26011	09/19/86	08:54	<1.00	<1.00	<2.00
T4C2	61	26015	09/22/86	09:10	<1.00	<1.30	<0.500
T4CC2	22	26015	09/22/86	09:10	<1.00	<1.00	<2.00
T4C2	62	26017	09/22/86	10:53	<1.00	<1.30	<0.500
T4CC2	23	26017	09/22/86	10:53	<1.00	<1.00	<2.00
T4C2	63	26020	09/23/86	08:45	<1.00	<1.30	<0.500
T4CC2	24	26020	09/23/86	08:45	<1.00	<1.00	<2.00
T4C2	65	26041	09/23/86	07:10	<20.0	<26.0	<11.6
T4CC2	25	26041	09/23/86	07:10	<5.00	<5.00	<10.0
T4C2	72	26127	09/29/86	10:20	<1.00	<1.30	<0.500
T4CC2	26	26127	09/29/86	10:20	<1.00	<1.00	3.52
T4C2	74	26133	09/19/86	12:07	<5.00	<6.50	<2.90
T4CC2	27	26133	09/19/86	12:07	<100	437	<200
T4C2	76	26142	09/24/86	07:48	<1.00	<1.30	<0.500
T4CC2	28	26142	09/24/86	07:48	<1.00	<1.00	<2.00
T4C2	122	27016	09/26/86	08:22	<1.00	<1.30	<0.500
T4CC2	29	27016	09/26/86	08:22	<1.00	<1.00	<2.00
T4C2	81	27053	09/19/86	08:52	<1.00	<1.30	<0.500
T4CC2	30	27053	09/19/86	08:52	<1.00	<1.00	<2.00

SAMPLE LIST T4C3

STORET CODE:					99133	99133	99133	77985	77985	77985
METHOD CODE:					OQ	BBB	MB	RB	BBB	MB
PARAMETER:					DBCP	DBCP	DBCP	DCPD	DCPD	DCPD
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME						
T4C2	4	01021	09/18/86	14:22	<0.130			<9.31		
T4CC2	1	01021	09/18/86	07:00		<15	<4.0		<4.7	<2.0
T4C2	6	01023	09/18/86	11:09	<0.130			<9.31		
T4CC2	2	01023	09/18/86	11:09		<15	<4.0		<4.7	<2.0
T4C2	16	02020	09/17/86	11:16	<0.130			<9.31		
T4CC2	4	02020	09/17/86	11:16		<15	<4.0		<4.7	<2.0
T4C2	19	02034	09/05/86	13:57	<0.130			<9.31		
T4CC2	5	02034	09/05/86	13:57		<15	<4.0		<4.7	<2.0
T4C2	20	02035	09/05/86	15:00	<0.130			<9.31		
T4CC2	6	02035	09/05/86	15:00		<15	<4.0		<4.7	<2.0
T4C2	28	22059	09/03/86	10:24	0.149			<9.31		
T4CC2	7	22059	09/03/86	10:24		<15	<4.0		<4.7	<2.0
T4C2	29	22060	09/03/86	08:05	<0.130			<9.31		
T4CC2	8	22060	09/03/86	08:05		<15	<4.0		<4.7	<2.0
T4C2	31	23095	09/03/86	12:31	<0.130			674		
T4CC2	9	23095	09/03/86	12:31		<15	<4.0		900	680
T4C2	33	23125	09/25/86	15:24	<0.130			<9.31		
T4CC2	10	23125	09/25/86	15:24		<15	<4.0		<4.7	<2.0
T4C2	37	23179	09/02/86	09:57	1.82			626		
T4CC2	12	23179	09/02/86	09:57		<15	<4.0		870	790
T4C2	39	23182	09/04/86	10:12	<0.130			<9.31		
T4CC2	14	23182	09/04/86	10:12		<15	<4.0		<4.7	<2.0
T4C2	40	23183	09/04/86	14:07	<0.130			<9.31		
T4CC2	15	23183	09/04/86	14:07		<15	<4.0		<4.7	<2.0
T4C2	50	24178	09/22/86	14:50	5.50			31.9		
T4CC2	18	24178	09/22/86	14:50		<15	5.1		56	47
T4C2	51	24185	09/23/86	08:50	<0.130			<9.31		
T4CC2	19	24185	09/23/86	08:50		<15	<4.0		<4.7	<2.0
T4C2	57	25016	09/05/86	11:06	<0.130			<9.31		
T4CC2	20	25016	09/05/86	11:06		<15	<4.0		<4.7	<2.0
T4C2	60	26011	09/19/86	08:54	<0.130			<9.31		
T4CC2	21	26011	09/19/86	08:54		<15	<4.0		<4.7	<2.0
T4C2	61	26015	09/22/66	09:10	<0.130			<9.31		
T4CC2	22	26015	09/22/86	09:10		<15	<4.0		<4.7	<2.0
T4C2	62	26017	09/22/86	10:53	<0.130			<9.31		
T4CC2	23	26017	09/22/86	10:53		<15	<4.0		<4.7	<2.0
T4C2	63	26020	09/23/86	08:45	<0.130			<9.31		
T4CC2	24	26020	09/23/86	08:45			<4.0			<2.0
T4C2	65	26041	09/23/86	07:10	<0.130			23.5		
T4CC2	25	26041	09/23/86	07:10		<15	<20		73	47
T4C2	72	26127	09/29/86	10:20	<0.130			<9.31		
T4CC2	26	26127	09/29/86	10:20		<15	<4.0		<4.7	<2.0
T4C2	74	26133	09/19/86	12:07	25.0			736		
T4CC2	27	26133	09/19/86	12:07		30	<400		770	850
T4C2	76	26142	09/24/86	07:40	<0.130			<9.31		
T4CC2	28	26142	09/24/86	07:40		<15	<4.0		<4.7	<2.0
T4C2	122	27016	09/26/86	08:22	<0.130			<9.31		
T4CC2	29	27016	09/26/96	08:22		<15	<4.0		<4.7	<2.0
T4C2	81	27053	09/19/66	00:52	<0.130			<9.31		
T4CC2	30	27053	09/19/86	08:52		<15	<4.0		<4.7	<2.0

SAMPLE LIST 1...

STORET CODE:					98551	34386	39330	39430	39320	39380	39390	39300	81580	98564	98563	98562	81512	98561
METHOD CODE:					BBB	S8	S8	S8	S8	S8	S8	S8	U8	U8	U8	U8	U8	U8
PARAMETER:					DIMP	HCCPD	ALDRIN	ISODRIN	P,P'-DDE	DIELDRIN	ENDRIN	P,P'-DDT	DMDS	1,4-OXAT	1,4-DITH	CPMS	BTZ	CPMSO
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4W2	19	33024	09/03/86	10:50	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4WC2	1	33024	09/03/86	10:50	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4W2	21	33026	08/28/86	13:53	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4WC2	2	33026	08/28/86	13:53	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4W2	23	33030	09/04/86	09:40		<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4WC2	3	33030	09/04/86	09:40	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4W2	25	33034	09/04/86	11:37		<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4WC2	4	33034	09/04/86	11:37	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	97	35037	09/05/86	12:30	<11	<0.070	<0.070	<0.060	<0.053	3.64	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC2	32	35037	09/05/86	12:30	<5.7	<11.0	<4.70	<5.90	<4.70	8.04	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	98	35038	09/05/86	13:31	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC2	33	35038	09/05/86	13:31	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	101	35058	09/08/86	10:18	<11	<0.070	<0.070	<0.060	<0.053	1.44	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC2	34	35058	09/08/86	10:18	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	105	35063	09/15/86	11:37	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC2	35	35063	09/15/86	11:37	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	106	35065	09/08/86	11:17	2500	<0.700	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	<1.00	14.2	113	<1.30		<4.20
T4CC2	36	35065	09/08/86	11:17	1500	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	104	<14.0		<17.0
T4C2	110	36065	09/26/86	11:44	43	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC2	37	36065	09/26/86	11:41	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	114	36082	09/26/86	10:45	580	<0.700	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	<1.00	126	896	6.35		<4.20
T4CC2	39	36082	09/26/86	10:45	480	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	197	1220	<14.0		<17.0
T4C2	120	36121	09/26/86	13:40	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC2	38	36121	09/26/86	13:40	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPG3	1	37305	08/26/86	14:56	1700	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPG3C	1	37305	08/26/86	14:56	1000	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPG3	6	37313	08/26/86	10:15	3900	<0.350	<0.350	<0.300	<0.265	<0.300	<0.260	<0.350	<1.00	4.15	9.45	<1.30		<4.20
OPG3C	2	37313	08/26/86	10:15	3700	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPG3	7	37320	09/22/86	12:06	19	<0.070	<0.070	<0.060	<0.053	0.065	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPG3C	3	37320	09/22/86	12:06	13	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPG3	25	37347	08/25/86	10:13	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPG3C	5	37347	08/25/86	00:00	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPG3	27	37349	09/11/86	07:53	42	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPG3C	6	37349	09/11/86	07:53	31	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	NA	<6.10	<11.0	<14.0		<17.0
OPG3	31	37353	09/12/86	07:38	660	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPG3C	4	37353	09/12/86	07:36	>94	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	NA	<6.10	<11.0	<14.0		<17.0
OPG3	34	37356	09/08/86	10:43	100	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPG3C	7	37356	09/08/86	10:43	150	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPG3	35	37357	09/11/86	10:47	22	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPG3C	8	37357	09/11/86	10:47	10	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	NA	<6.10	<11.0	<14.0		<17.0
T4W2	4	04014	08/26/86	00:04	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4WC2	5	04014	08/26/86	00:04	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4W2	6	04021	08/25/86	10:10	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4WC2	6	04021	08/25/86	10:10	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	5.64	<6.10	<11.0	<14.0		<17.0
T4W2	8	04027	08/26/86	11:59	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4WC2	7	04027	08/26/86	11:59	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0

SAMPLE LIST T4C3

STORET CODE:					01596	34030	34010	34371	98553	98554	34423	34501	34496	34546	32106	34531	34506	32102
METHOD CODE:					R8	W8	W8	W8	W8	W8	Y8	Y8	Y8	Y8	Y8	Y8	Y8	Y8
PARAMETER:					MIBK	BENZENE	TOLUEN	ETHYLBENZ	M-XYL	O&P-XYL	METHYLCL	11DCE	11DCLE	T12DCE	CHCL3	12DCLE	111TCE	CCL4
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4W2	19	33024	09/03/86	10:50		3.68	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4WC2	1	33024	09/03/86	10:50	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	47.3		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4W2	21	33026	08/28/86	13:53		<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4WC2	2	33026	08/28/86	13:53	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4W2	23	33030	09/04/86	09:40		<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	1.78	<0.610	<1.70	<2.40
T4WC2	3	33030	09/04/86	09:40	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	2.53	<1.00	<1.00	<2.00
T4W2	25	33034	09/04/86	11:37		<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4WC2	4	33034	09/04/86	11:37	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	1.91	<1.00	<1.00	<2.00
T4C2	97	35037	09/05/86	12:30	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	24.6	<0.610	<1.70	<2.40
T4CC2	32	35037	09/05/86	12:30	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	33.0	<1.00	<1.00	<2.00
T4C2	98	35038	09/05/86	13:31	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	33	35038	09/05/86	13:31	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	101	35058	09/08/86	10:18	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	7.83	<0.610	<1.70	<2.40
T4CC2	34	35058	09/08/86	10:18	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	9.40	<1.00	<1.00	<2.00
T4C2	105	35063	09/15/86	11:37	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<0.50	<9.60
T4CC2	35	35063	09/15/86	11:37	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	106	35065	09/08/86	11:17	<12.9	<1.34	>8.55	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	4.92	0.776	<1.70	<2.40
T4CC2	36	35065	09/08/86	11:17	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	110	36065	09/26/86	11:44	<12.9	4.09	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	43.9	<0.610	<1.70	11.5
T4CC2	37	36065	09/26/86	11:41	<2.00	7.73	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	73.5	<1.00	<1.00	17.8
T4C2	114	36082	09/26/86	10:45	<12.9	<1.34	<1.21	<1.28	2.69	3.43	<5.00	<1.10	<1.20	<1.20	4.28	<0.610	<1.70	<2.40
T4CC2	39	36082	09/26/86	10:45	<2.00	<1.00	<1.00	<1.00	2.10	<2.00	<5.00		<2.00	<2.00	3.43	15.6	<1.00	<2.00
T4C2	120	36121	09/26/86	13:40	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	38	36121	09/26/86	13:40	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
OPG3	1	37305	08/26/86	14:56	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPG3C	1	37305	08/26/86	14:56	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
OPG3	6	37313	08/26/86	10:15	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	0.617	<1.70	<2.40
OPG3C	2	37313	08/26/86	10:15	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
OPG3	7	37320	09/22/86	12:06	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPG3C	3	37320	09/22/86	12:06	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	1.87	<1.00	<1.00	<2.00
OPG3	25	37347	08/25/86	10:13	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPG3C	5	37347	08/25/86	00:00	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
OPG3	27	37349	09/11/86	07:53	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPG3C	6	37349	09/11/86	07:53	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
OPG3	31	37353	09/12/86	07:38	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPG3C	4	37353	09/12/86	07:38	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
OPG3	34	37356	09/08/86	10:43	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPG3C	7	37356	09/08/86	10:43	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
OPG3	35	37357	09/11/86	10:47	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	11.0	<0.610	<1.70	<2.40
OPG3C	8	37357	09/11/86	10:47	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
T4W2	4	04014	08/26/86	08:04		<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4WC2	5	04014	08/26/86	08:04	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4W2	6	04021	08/25/86	10:18		<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4WC2	6	04021	08/25/86	10:18	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	1.84	<1.00	<1.00	<2.00
T4W2	8	04027	08/26/86	11:59		<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4WC2	7	04027	08/26/86	11:59	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00

SAMPLE LIST T4C3

FLD.GRP.	#	SAMPLE ID	DATE	TIME	34511	34475	34301
STORET CODE:					34511	34475	34301
METHOD CODE:					Y8	Y8	Y8
PARAMETER:					112TCE	TCLEE	CLC6H5
UNITS:					UG/L	UG/L	UG/L
T4W2	19	33024	09/03/86	10:50	<1.00	<1.30	<0.500
T4WC2	1	33024	09/03/86	10:50	<1.00	<1.00	<2.00
T4W2	21	33026	08/28/86	13:53	<1.00	<1.30	<0.500
T4WC2	2	33026	08/28/86	13:53	<1.00	<1.00	<2.00
T4W2	23	33030	09/04/86	09:40	<1.00	<1.30	<0.500
T4WC2	3	33030	09/04/86	09:40	<1.00	<1.00	<2.00
T4W2	25	33034	09/04/86	11:37	<1.00	<1.30	<0.500
T4WC2	4	33034	09/04/86	11:37	<1.00	<1.00	<2.00
T4C2	97	35037	09/05/86	12:30	<1.00	<1.30	<0.500
T4CC2	32	35037	09/05/86	12:30	<1.00	<1.00	<2.00
T4C2	98	35038	09/05/86	13:31	<1.00	<1.30	<0.500
T4CC2	33	35038	09/05/86	13:31	<1.00	<1.00	<2.00
T4C2	101	35058	09/08/86	10:10	<1.00	<1.30	<0.500
T4CC2	34	35058	09/08/86	10:10	<1.00	<1.00	<2.00
T4C2	105	35063	09/15/86	11:37	<5.00	<1.30	<0.500
T4CC2	35	35063	09/15/86	11:37	<1.00	<1.00	<2.00
T4C2	106	35065	09/08/86	11:17	<1.00	11.0	5.77
T4CC2	36	35065	09/08/86	11:17	<1.00	10.7	4.44
T4C2	110	36065	09/26/86	11:44	<1.00	<1.30	1.70
T4CC2	37	36065	09/26/86	11:41	<1.00	<1.00	2.07
T4C2	114	36002	09/26/86	10:45	<1.00	1.55	<0.500
T4CC2	39	36002	09/26/86	10:45	<1.00	1.09	2.16
T4C2	120	36121	09/26/86	13:40	<1.00	<1.30	<0.500
T4CC2	38	36121	09/26/86	13:40	<1.00	<1.00	<2.00
OPG3	1	37305	08/26/86	14:56	<1.00	<1.30	<0.500
OPG3C	1	37305	08/26/86	14:56	<1.00	<1.00	<2.00
OPG3	6	37313	08/26/86	10:15	<1.00	<1.30	<0.500
OPG3C	2	37313	08/26/86	10:15	<1.00	<1.00	<2.00
OPG3	7	37320	09/22/86	12:06	<1.00	<1.30	<0.500
OPG3C	3	37320	09/22/86	12:06	<1.00	<1.00	<2.00
OPG3	25	37347	08/25/86	10:13	<1.00	<1.30	<0.500
OPG3C	5	37347	08/25/86	00:00	<1.00	<1.00	<2.00
OPG3	27	37349	09/11/86	07:53	<1.00	<1.30	<0.500
OPG3C	6	37349	09/11/86	07:53	NA	NA	NA
OPG3	31	37353	09/12/86	07:38	<1.00	<1.30	<0.500
OPG3C	4	37353	09/12/86	07:38	NA	NA	NA
OPG3	34	37356	09/08/86	10:43	<1.00	<1.30	<0.500
OPG3C	7	37356	09/08/86	10:43	<1.00	<1.00	<2.00
OPG3	35	37357	09/11/86	10:47	<1.00	2.24	<0.500
OPG3C	8	37357	09/11/86	10:47	NA	NA	NA
T4W2	4	04014	08/26/86	08:04	<1.00	<1.30	<0.500
T4WC2	5	04014	08/26/86	08:04	<1.00	<1.00	<2.00
T4W2	6	04021	08/25/86	10:10	<1.00	<1.30	<0.500
T4WC2	6	04021	08/25/86	10:10	<1.00	<1.00	<2.00
T4W2	8	04027	08/26/86	11:59	<1.00	<1.30	<0.500
T4WC2	7	04027	08/26/86	11:59	<1.00	<1.00	<2.00

SAMPLE LIST T4C3

STORET CODE:					99133	99133	99133	77985	77985	77985
METHOD CODE:					00	BB8	M8	R8	BB8	M8
PARAMETER:					DBCP	DBCP	DBCP	DCPD	DCPD	DCPD
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME						
T4M2	19	33024	09/03/86	10:50	<0.130					
T4MC2	1	33024	09/03/86	10:50		<15	<4.0		<4.7	<2.0
T4M2	21	33026	08/28/86	13:53	<0.130					
T4MC2	2	33026	08/28/86	13:53		<15	<4.0		<4.7	<2.0
T4M2	23	33030	09/04/86	09:40	5.46					
T4MC2	3	33030	09/04/86	09:40		<15	4.9		<4.7	<2.0
T4M2	25	33034	09/04/86	11:37	<0.130					
T4MC2	4	33034	09/04/86	11:37		<15	<4.0		<4.7	<2.0
T4C2	97	35037	09/05/86	12:30	<0.130			<9.31		
T4CC2	32	35037	09/05/86	12:30		<15	<4.0		<4.7	<2.0
T4C2	98	35038	09/05/86	13:31	<0.130			<9.31		
T4CC2	33	35038	09/05/66	13:31		<15	<4.0		<4.7	<2.0
T4C2	101	35058	09/08/96	10:18	<0.130			<9.31		
T4CC2	34	35058	09/08/86	10:18		<15	<4.0		<4.7	<2.0
T4C2	105	35063	09/15/86	11:37	<0.130			<9.31		
T4CC2	35	35063	09/15/86	11:37		<15	<4.0		<4.7	<2.0
T4C2	106	35065	09/08/86	11:17	<0.130			24.0		
T4CC2	36	35065	09/08/86	11:17		<15	<4.0		42	27
T4C2	110	36065	09/26/96	11:44	1.07			<9.31		
T4CC2	37	36065	09/26/86	11:41		<15	<4.0		<4.7	<2.0
T4C2	114	36082	09/26/86	10:45	0.191			24.3		
T4CC2	39	36082	09/26/86	10:45		<15	<4.0		31	30
T4C2	120	36121	09/26/86	13:40	<0.130			<9.31		
T4CC2	38	36121	09/26/86	13:49		<15	<4.0		<4.7	<2.0
OPG3	1	37305	08/26/86	14:56	<0.130			<9.31		
OPG3C	1	37305	08/26/86	14:56		<15	<4.0		<4.7	<2.0
OPG3	6	37313	06/26/86	10:15	<0.130			<9.31		
OPG3C	2	37313	08/26/86	10:15		<15	<4.0		<4.7	<2.0
OPG3	7	37320	09/22/86	12:06	<0.130			<9.31		
OPG3C	3	37320	09/22/86	12:06		<15	<4.0		<4.7	<2.0
OPG3	25	37347	08/25/86	10:13	<0.130			<9.31		
OPG3C	5	37347	08/25/86	00:00		<15	<4.0		<4.7	<2.0
OPG3	27	37349	09/11/86	07:53	<0.130			<9.31		
OPG3C	6	37349	09/11/86	07:53		<15	NA		<4.7	NA
OPG3	31	37353	09/12/86	07:38	<0.130			<9.31		
OPG3C	4	37353	09/12/86	07:38		<15	NA		<4.7	NA
OPG3	34	37356	09/08/86	10:43	<0.130			<9.31		
OPG3C	7	37356	09/08/86	10:43		<15	<4.0		<4.7	<2.0
OPG3	35	37357	09/11/86	10:47	<0.130			<9.31		
OPG3C	8	37357	09/11/86	10:47		<15	NA		<4.7	NA
T4M2	4	04014	08/26/86	00:04	11.5					
T4MC2	5	04014	08/26/86	00:04		<15	9.1		<4.7	<2.0
T4M2	6	04021	08/25/86	10:18	<0.130					
T4MC2	6	04021	08/25/86	10:18		<15	<4.0		<4.7	<2.0
T4M2	8	04027	08/26/86	11:59	38.8					
T4MC2	7	04027	60/26/86	11:59		43	<4.0		<4.7	<2.0

TASK 44 GC/MS CONFIRMATION DATA

FIELD GROUP NUMBER T44GM53 IS GC/MS RESULTS

SAMPLE LIST T4P...

STORET CODE:					98551	34386	39330	39430	39320	39380	39390	39300	81500	98564	98563	98562	81512	98561
METHOD CODE:					8B0	S8	S8	S8	S8	S8	S8	S8	U8	U8	U8	U8	U8	U8
PARAMETER:					DIMP	HCCPD	ALDRIN	ISODRIN	P,P'-DDE	DIELDRIN	ENDRIN	P,P'-DDT	DMDS	1,4-OXAT	1,4-DITH	CPMS	BTZ	CPMSO
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T44GMS3	1	01000	05/05/87	10:13	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T441S3	1	01000	05/05/87	10:13	<11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
T44RR3	1	01000	06/02/87	08:51	<11	<0.083	<0.083	<0.056	<0.046	0.154	<0.060	<0.059	<1.16	<1.35	<1.59	<1.00	<1.14	<1.90
T44CW3	7	02000	05/05/87	13:19	<11	<0.083	<0.083	<0.056	<0.046	0.069	<0.060	<0.059	<1.16	<1.35	<1.59	<1.00	<1.14	<1.90
T44GMS3	2	02000	05/05/87	13:19	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T44RR3	3	02000	06/02/87	08:58	<11	<0.083	<0.083	<0.056	<0.046	0.080	<0.060	<0.059	<1.16	<1.35	<1.59	<1.00	<1.14	<1.90
T44GMS3	3	04009	05/06/87	07:36	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T44WW3	9	04009	05/06/87	07:36	<11	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.00	1.50	<1.90
T44GMS3	4	09002	05/05/87	14:16	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T44RR3	12	09002	06/03/87	09:55	<11	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.00	<1.14	<1.90
T44WW3	106	09002	05/05/87	14:16	<11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
T44GMS3	5	22051	05/13/87	07:52	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T4425-3	5	23004	05/13/87	10:08	1600	<0.415	<0.415	<0.200	<0.230	3.48	0.512	<0.295	<1.16	2.92	10.8	<1.00	<1.14	<1.90
T44GMS3	6	23004	05/13/87	10:08	930	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	9.00	48.2	24.6		<17.0
T4425-3	6	23029	05/13/87	11:44	420	<0.083	<0.083	<0.056	<0.046	0.670	0.421	<0.059	8.47	13.1	55.0	30.1	1.41	12.7
T44GMS3	7	23029	05/13/87	11:44	230	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	NA	<6.10	<11.0	<14.0		<17.0
T4425-3	11	23109	05/14/87	08:36	<11	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.00	<1.14	<1.90
T44GMS3	8	23109	05/14/87	08:36	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44GMS3	9	23193	05/14/87	08:28	NA	NA	NA	NA	NA	NA	NA	NA	27.5	NA	NA	NA		NA
T441S3	9	23193	05/14/87	08:28	<11	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	1.68	<1.00	<1.14	<1.90
T4425-3	15	24092	05/18/87	08:42	30	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.00	<1.14	<1.90
T44GMS3	10	24092	05/18/87	08:42	25	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T4425-3	16	24106	05/18/87	13:35	<11	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.00	<1.14	<1.90
T44GMS3	11	24106	05/18/87	13:35	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T4425-3	18	24111	05/14/87	13:55	220	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.00	<1.14	<1.90
T44GMS3	12	24111	05/14/87	13:55	120	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T4425-3	19	24113	05/18/87	10:46	13	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.00	<1.14	<1.90
T44GMS3	13	24113	05/18/87	10:46	8.4	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T4425-3	20	24120	05/19/87	13:43	<11	<0.083	<0.083	<0.056	<0.046	0.125	<0.060	<0.059	<1.16	<1.35	<1.59	<1.00	<1.14	<1.90
T44GMS3	14	24120	05/19/87	13:43	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T4425-3	22	24127	05/12/87	14:33	680	<0.083	<0.083	<0.056	<0.046	1.14	0.819	>0.066	<1.16	2.09	6.45	22.9	<1.14	92.6
T44GMS3	15	24127	05/12/87	14:43	310	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	22.3		49.5
T4425-3	24	27049	05/12/87	15:12	<11	<0.083	<0.083	<0.056	<0.046	0.136	<0.060	<0.059	<1.16	<1.35	<1.59	<1.00	<1.14	<1.90
T44GMS3	17	27049	05/12/87	15:12	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44CW3	64	27055	05/08/87	09:15	<11	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.00	<1.14	<1.90
T44GMS3	19	27055	05/08/87	09:15	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T4425-3	25	27074	05/13/87	09:47	<11	<0.083	<0.083	<0.056	<0.046	0.100	<0.060	<0.059	<1.16	<1.35	<1.59	<1.00	<1.14	<1.90
T44GMS3	20	27074	05/13/87	09:47	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	NA	<6.10	<11.0	<14.0		<17.0
T44GMS3	21	33002	05/05/87	08:21	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T44RR3	17	33002	06/02/87	14:41	<11	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.00	<1.14	<1.90
T44WW3	108	33002	05/05/87	08:21	<11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
[illegible]	22	33063	05/06/87	14:24	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T44WW3	32	33063	05/06/87	14:24	<11	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.00	<1.14	<1.90
T44GMS3	23	35016	05/06/87	15:16	3600	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	14.7	160	<14.0		<17.0
T441S3	23	35016	05/06/87	15:16	5400	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	16.9	183	1.25	3.56	<1.90
T44GMS3	25	35066	05/12/87	07:47	1400	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44GMS3	26	36084	05/12/87	10:20	5400	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	44.6	346	<14.0		<17.0
T441S3	30	36084	05/12/87	10:20	12000	<2.00	<2.00	<1.40	<1.15	<1.30	<1.50	<1.40	<1.16	68.6	498	<1.00	5.27	<1.90
T44GMS3	27	36090	05/06/87	13:51	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	1230	1060	<14.0		<17.0
T441S3	31	36090	05/06/87	13:51	13	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	1170	1110	0.46	14.6	<1.90

SAMPLE LIST T4PAUL

STORET CODE:					81596	34030	34010	34371	98553	98554	34423	34501	34496	34546	32106	34531	34506	32102
METHOD CODE:					R0	W8	W8	W8	W8	W8	Y8	Y8	Y8	Y8	Y8	Y8	Y8	Y8
PARAMETER:					MIBK	BENZENE	TOLUEN	ETHYLBENZ	M-XYL	O&P-XYL	METHYLCL	11DCE	11DCLE	T12DCE	CHCL3	12DCLE	111TCE	CCL4
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
LD.GRP.	#	SAMPLE ID	DATE	TIME														
T44GMS3	1	01000	05/05/87	10:13	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	6.57	<1.00	<1.00	<2.00
T44IS3	1	01000	05/05/87	10:13	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	4.29	<0.610	<1.70	<2.40
T44RR3	1	01000	06/02/87	08:51	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	6.93	<0.610	<1.70	<2.40
T44CM3	7	02000	05/05/87	13:19	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	2	02000	05/05/87	13:19	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T44RR3	3	02000	06/02/87	08:58	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	3	04009	05/06/87	07:36	<2.00	3.40	7.23	20.6	62.3	67.4	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T44WW3	9	04009	05/06/87	07:36	<12.9	3.05	5.20	13.7	45.1	53.4	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	4	09002	05/05/87	14:16	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T44RR3	12	09002	06/03/87	09:55	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44WW3	106	09002	05/05/87	14:16	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	5	22051	05/13/87	07:52	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.80		<2.00	<1.20	1.66	<1.00	<1.00	<1.50
T4425-3	5	23004	05/13/87	10:08	<12.9	<134	<121	<128	<135	<247	<500	<110	<120	<120	7330	<61.0	<170	<240
T44GMS3	6	23004	05/13/87	10:08	<2.00	10.3	<1.00	<1.00	<1.00	<2.00	34.0		<2.00	<1.20	>150	54.3	<1.00	<1.50
T4425-3	6	23029	05/13/87	11:44	<12.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
T44GMS3	7	23029	05/13/87	11:44	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
T4425-3	11	23109	05/14/87	08:36	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	8	23109	05/14/87	08:36	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.80		<2.00	<1.20	1.11	<1.00	<1.00	<1.50
T44GMS3	9	23193	05/14/87	08:28	<2.00	3.36	<1.00	<1.00	<1.00	2.50	<4.80		<2.00	<1.20	<1.00	<1.00	<1.00	<1.50
T44IS3	9	23193	05/14/87	08:28	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4425-3	15	24092	05/18/87	08:42	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	10	24092	05/18/87	08:42	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.80		<2.00	<1.20	<1.00	<1.00	<1.00	<1.50
T4425-3	16	24106	05/18/87	13:35	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	11	24106	05/18/87	13:35	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.80		<2.00	<1.20	<1.00	<1.00	<1.00	<1.50
T4425-3	18	24111	05/14/87	13:55	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	1.58	<0.610	<1.70	<2.40
T44GMS3	12	24111	05/14/87	13:55	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.80		<2.00	<1.20	1.21	<1.00	<1.00	<1.50
T4425-3	19	24113	05/18/87	10:46	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	13	24113	05/18/87	10:46	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.80		<2.00	<1.20	<1.00	<1.00	<1.00	<1.50
T4425-3	20	24120	05/19/87	13:43	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	14	24120	05/19/87	13:43	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.80		<2.00	<1.20	<1.00	<1.00	<1.00	<1.50
T4425-3	22	24127	05/12/87	14:33	<12.9	2.15	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	104	4.25	<1.70	<2.40
T44GMS3	15	24127	05/12/87	14:43	<2.00	2.89	<1.00	<1.00	<1.00	<2.00	7.23		<2.00	<1.20	139	8.12	<1.00	<1.50
T4425-3	24	27049	05/12/87	15:12	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	19.4	<0.610	<1.70	<2.40
T44GMS3	17	27049	05/12/87	15:12	<2.00	1.13	<1.00	<1.00	<1.00	<2.00	<4.80		<2.00	<1.20	26.3	<1.00	<1.00	<1.50
T44CM3	64	27055	05/08/87	09:15	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	19	27055	05/08/87	09:15	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.80		<2.00	<1.20	<1.00	<1.00	<1.00	<1.50
T4425-3	25	27074	05/13/87	09:47	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	27.0	<0.610	<1.70	<2.40
T44GMS3	20	27074	05/13/87	09:47	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
T44GMS3	21	33002	05/05/87	08:21	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T44RR3	17	33002	06/02/87	14:41	<12.9	8.23	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44WW3	108	33002	05/05/87	08:21	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	22	33063	05/06/87	14:24	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	1.30	<1.00	<1.00	<2.00
T44WW3	32	33063	05/06/87	14:24	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	23	35016	05/06/87	15:16	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T44IS3	23	35016	05/06/87	15:16	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	25	35066	05/12/87	07:47	<2.00	2.80	<1.00	<1.00	<1.00	<2.00	<4.80		<2.00	<1.20	2.34	<1.00	<1.00	<1.50
T44GMS3	26	36084	05/12/87	10:20	<2.00	7.68	<1.00	<1.00	<1.00	<2.00	<4.80		<2.00	74.5	37.1	19.1	<1.00	<1.50
T44IS3	30	36084	05/12/87	10:20	<12.9	8.47	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	56.7	34.5	11.9	<1.70	<2.40
T44GMS3	27	36090	05/06/87	13:51	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	13.6	4.56	>150	<1.00	<2.00
T44IS3	31	36090	05/06/87	13:51	<12.9	<1.34	<1.21	2.84	<1.35	<2.47	<5.00	<1.10	<1.20	14.9	3.99	265	<1.70	<2.40

SAMPLE LIST T... .L

STORET CODE:					99133	99133	99133	77985	77985	77985
METHOD CODE:					QB	BBB	MB	RB	BBB	MB
PARAMETER:					DBCP	DBCP	DBCP	DCPD	DCPD	DCPD
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME						
T44GMS3	1	01000	05/05/87	10:13		<15	<4.0		<4.7	<2.0
T44IS3	1	01000	05/05/87	10:13	<0.130			<9.31		
T44RR3	1	01000	06/02/87	08:51	<0.130			<9.31		
T44CM3	7	02000	05/05/87	13:19	<0.130			<9.31		
T44GMS3	2	02000	05/05/87	13:19		<15	<4.0		<4.7	<2.0
T44RR3	3	02000	06/02/87	08:58	<0.130			<9.31		
T44GMS3	3	04009	05/06/87	07:36		<15	<4.0		<4.7	<2.0
T44WW3	9	04009	05/06/87	07:36	<0.130			<9.31		
T44GMS3	4	09002	05/05/87	14:16		<15	<4.0		<4.7	<2.0
T44RR3	12	09002	06/03/87	09:55	<0.130			<9.31		
T44WW3	106	09002	05/05/87	14:16	<0.130			<9.31		
T44GMS3	5	22051	05/13/87	07:52		<15	<3.8		<4.7	<1.1
T4425-3	5	23004	05/13/87	10:08	1.42			414		
T44GMS3	6	23004	05/13/87	10:08		<15	<3.8		720	>170
T4425-3	6	23029	05/13/87	11:44	<0.130			<9.31		
T44GMS3	7	23029	05/13/87	11:44		<15	NA		<4.7	NA
T4425-3	11	23189	05/14/87	08:36	<0.130			<9.31		
T44GMS3	8	23189	05/14/87	08:36		<15	<3.8		<4.7	2.0
T44GMS3	9	23193	05/14/87	08:28		NA	<3.8		NA	<1.1
T44IS3	9	23193	05/14/87	08:28	<0.130			<9.31		
T4425-3	15	24092	05/18/87	08:42	<0.130			<9.31		
T44GMS3	10	24092	05/18/87	08:42		<15	<3.8		<4.7	<1.1
T4425-3	16	24106	05/18/87	13:35	<0.130			<9.31		
T44GMS3	11	24106	05/18/87	13:35		<15	<3.8		<4.7	<1.1
T4425-3	18	24111	05/14/87	13:55	<0.130			<9.31		
T44GMS3	12	24111	05/14/87	13:55		<15	<3.8		<4.7	<1.1
T4425-3	19	24113	05/18/87	10:46	<0.130			<9.31		
T44GMS3	13	24113	05/18/87	10:46		<15	<3.8		<4.7	<1.1
T4425-3	20	24120	05/19/87	13:43	<0.130			<21.6		
T44GMS3	14	24120	05/19/87	13:43		<15	<3.8		<4.7	<1.1
T4425-3	22	24127	05/12/87	14:33	3.64			169		
T44GMS3	15	24127	05/12/87	14:43		<15	<3.8		190	>170
T4425-3	24	27049	05/12/87	15:12	<0.130			<9.31		
T44GMS3	17	27049	05/12/87	15:12		<15	<3.8		<4.7	1.2
T44CM3	64	27055	05/08/87	09:15	<0.130			<9.31		
T44GMS3	19	27055	05/08/87	09:15		<15	<3.8		<4.7	<1.1
T4425-3	25	27074	05/13/87	09:47	<0.130			<9.31		
T44GMS3	20	27074	05/13/87	09:47		<15	NA		<4.7	NA
T44GMS3	21	33002	05/05/87	08:21		<15	<4.0		<4.7	<2.0
T44RR3	17	33002	06/02/87	14:41	<0.130			<9.31		
T44WW3	108	33002	05/05/87	08:21	<0.130			<9.31		
T44GMS3	22	33063	05/06/87	14:24		<15	<4.0		<4.7	<2.0
T44WW3	32	33063	05/06/87	14:24	3.21			<9.31		
T44GMS3	23	35016	05/06/87	15:16		<15	<4.0		<4.7	<2.0
T44IS3	23	35016	05/06/87	15:16	<0.130			<9.31		
T44GMS3	25	35066	05/12/87	07:47		<15	<3.8		<4.7	<1.1
T44GMS3	26	36084	05/12/87	10:20		<15	<3.8		<4.7	<1.1
T44IS3	30	36084	05/12/87	10:20	<0.130			<9.31		
T44GMS3	27	36090	05/06/87	13:51		<15	<4.0		<4.7	<2.0
T44IS3	31	36090	05/06/87	13:51	<0.130			<9.31		

STORET CODE:					34511	34475	34301
METHOD CODE:					Y8	Y8	Y8
PARAMETER:					112TCE	TCLEE	CLC6H5
UNITS:					UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME			
T44GMS3	1	01000	05/05/87	10:13	<1.00	<1.00	<2.00
T44IS3	1	01000	05/05/87	10:13	<1.00	<1.30	<0.500
T44RR3	1	01000	06/02/87	08:51	<1.00	<1.30	<0.500
T44CW3	7	02000	05/05/87	13:19	<1.00	<1.30	<0.500
T44GMS3	2	02000	05/05/87	13:19	<1.00	<1.00	<2.00
T44RR3	3	02000	06/02/87	08:58	<1.00	<1.30	<0.500
T44GMS3	3	04009	05/06/87	07:36	<1.00	<1.00	<2.00
T44WW3	9	04009	05/06/87	07:36	<1.00	<1.30	<0.500
T44GMS3	4	09002	05/05/87	14:16	<1.00	1.65	<2.00
T44RR3	12	09002	06/03/87	09:55	<1.00	1.59	<0.500
T44WW3	106	09002	05/05/87	14:16	<1.00	1.93	<0.500
T44GMS3	5	22051	05/13/87	07:52	<1.00	<1.00	<2.10
T4425-3	5	23004	05/13/87	10:08	<100	<130	<50.0
T44GMS3	6	23004	05/13/87	10:08	<1.00	36.9	<2.10
T4425-3	6	23029	05/13/87	11:44	NA	NA	NA
T44GMS3	7	23029	05/13/87	11:44	NA	NA	NA
T4425-3	11	23189	05/14/87	08:36	<1.00	<1.30	<0.500
T44GMS3	8	23189	05/14/87	08:36	<1.00	<1.00	<2.10
T44GMS3	9	23193	05/14/87	08:28	<1.00	<1.00	<2.10
T44IS3	9	23193	05/14/87	08:28	<1.00	<1.30	<0.500
T4425-3	15	24092	05/18/87	08:42	<1.00	<1.30	<0.500
T44GMS3	10	24092	05/18/87	08:42	<1.00	<1.00	<2.10
T4425-3	16	24106	05/18/87	13:35	<1.00	<1.30	<0.500
T44GMS3	11	24106	05/18/87	13:35	<1.00	<1.00	<2.10
T4425-3	18	24111	05/14/87	13:55	<1.00	<1.30	<0.500
T44GMS3	12	24111	05/14/87	13:55	<1.00	<1.00	<2.10
T4425-3	19	24113	05/18/87	10:46	<1.00	<1.30	<0.500
T44GMS3	13	24113	05/18/87	10:46	<1.00	<1.00	<2.10
T4425-3	20	24120	05/19/87	13:43	<1.00	<1.30	<0.500
T44GMS3	14	24120	05/19/87	13:43	<1.00	<1.00	<2.10
T4425-3	22	24127	05/12/87	14:33	<1.00	70.1	<0.500
T44GMS3	15	24127	05/12/87	14:43	<1.00	84.6	<2.10
T4425-3	24	27049	05/12/87	15:12	<1.00	<1.30	<0.500
T44GMS3	17	27049	05/12/87	15:12	<1.00	<1.00	<2.10
T44CW3	64	27055	05/08/87	09:15	<1.00	<1.30	<0.500
T44GMS3	19	27055	05/08/87	09:15	<1.00	<1.00	<2.10
T4425-3	25	27074	05/13/87	09:47	<1.00	<1.30	<0.500
T44GMS3	20	27074	05/13/87	09:47	NA	NA	NA
T44GMS3	21	33002	05/05/87	08:21	<1.00	<1.00	<2.00
T44RR3	17	33002	06/02/87	14:41	<1.00	<1.30	32.7
T44WW3	100	33002	05/05/87	08:21	<1.00	<1.30	<0.500
T44GMS3	22	33063	05/06/87	14:24	<1.00	<1.00	<2.00
T44WW3	32	33063	05/06/87	14:24	<1.00	<1.30	<0.500
T44GMS3	23	35016	05/06/87	15:16	<1.00	<1.00	6.00
T44IS3	23	35016	05/06/87	15:16	<1.00	<1.30	19.5
T44GMS3	25	35066	05/12/87	07:47	<1.00	<1.00	<2.10
T44GMS3	26	36084	05/12/87	10:20	21.0	7.51	5.30
T44IS3	30	36084	05/12/87	10:20	36.8	8.76	4.71
T44GMS3	27	36090	05/06/87	13:51	2.43	18.9	39.5
T44IS3	31	36090	05/06/87	13:51	4.47	23.6	55.9

D-543

STORET CODE:					98551	34386	39330	39430	39320	39380	39390	39300	81580	98564	98563	98562	81512	98561
METHOD CODE:					BBB	SB	SB	SB	SB	SB	SB	SB	UB	UB	UB	UB	UB	UB
PARAMETER:					DIMP	HCCPD	ALDRIN	ISODRIN	P,P'-DDE	DIELDRIN	ENDRIN	P,P'-DDT	DMDS	1,4-OXAT	1,4-DITH	CPMS	BTZ	CPMSO
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD GRP.	#	SAMPLE ID	DATE	TIME														
T44CM3	92	36110	05/11/87	15:42	<11	<0.083	<0.083	<0.056	<0.046	>0.050	<0.060	<0.059	<1.16	<1.35	<1.59	<1.00	<1.14	<1.90
T44GMS3	28	36110	05/11/87	15:42	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44CM3	97	36139	05/11/87	14:39	420	<0.415	<0.415	<0.280	<0.230	<0.275	<0.300	<0.295	<1.16	58.9	302	3.79	6.79	<1.90
T44GMS3	29	36139	05/11/87	14:39	170	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	44.9	241	<14.0		<17.0
T44GMS3	41	37309	07/08/87	08:56	500	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		15.7
T44OP3	4	37309	06/16/87	09:45	830	<0.700	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	<1.80	<2.00	6.48	<1.30	<2.00	27.1
T44GMS3	42	37332	07/08/87	08:05	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.50	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44OP3	9	37332	06/18/87	08:29	<11	<0.070	<0.070	<0.060	<0.053	0.711	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30	<2.00	<4.20
T44GMS3	43	37333	07/09/87	07:20	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44OP3	10	37333	06/18/87	09:39	<11	<0.070	<0.070	<0.060	<0.053	0.205	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30	<2.00	<4.20
T44GMS3	44	37344	07/06/87	11:15	560	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		53.0
T44GMS3	45	37359	07/08/87	09:45	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44OP3	33	37359	06/17/87	10:25	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30	<2.00	<4.20
T44GMS3	46	CIII	07/08/87	09:55	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0

STORET CODE:					81596	34030	34010	34371	98553	98554	34423	34501	34496	34546	32106	34531	34506	32102
METHOD CODE:					R8	W8	W8	W8	W8	W8	Y8	Y8	Y8	Y8	Y8	Y8	Y8	Y8
PARAMETER:					MIBK	BENZENE	TOLUEN	ETHYLBENZ	M-XYL	O&P-XYL	METHYLCL	11DCE	11DCLE	T12DCE	CHCL3	12DCLE	111TCE	CCL4
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T44CW3	92	36110	05/11/87	15:42	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	91.6	2.61	<1.70	<2.40
T44GMS3	28	36110	05/11/87	15:42	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	<1.00	<1.00	<1.00	<1.50
T44CW3	97	36139	05/11/87	14:39	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	25.4	20.4	<1.70	<2.40
T44GMS3	29	36139	05/11/87	14:39	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	4.28	27.6	<1.00	<1.50
T44GMS3	41	37309	07/08/87	08:56	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	<1.00	6.25	<1.00	<1.50
T44OP3	4	37309	06/16/87	09:45	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	6.27	<1.70	<2.40
T44GMS3	42	37332	07/08/87	08:05	<2.00	1.75	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	2.78	<1.00	<1.00	<1.50
T44OP3	9	37332	06/10/87	08:29	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	43	37333	07/09/87	07:20	<2.00	40.0	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	16.7	<1.00	<1.00	<1.50
T44OP3	10	37333	06/18/87	09:39	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	13.5	<0.610	<1.70	<2.40
T44GMS3	44	37344	07/08/87	11:15	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	>160	3.93	<1.00	9.30
T44GMS3	45	37359	07/08/87	09:45	<2.00	2.89	<1.00	<1.00	<1.00	<2.00	<4.00		2.50	<1.20	<1.00	<1.00	2.86	<1.50
T44OP3	33	37359	06/17/87	10:25	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	2.31	1.26	<1.40	<0.610	3.70	<2.40
T44GMS3	46	C111	07/08/87	09:55	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	<1.00	<1.00	1.06	<1.50

SAMPLE LIST Ts:AUL

STORET CODE:					99133	99133	99133	77985	77985	77985
METHOD CODE:					08	BE8	M8	R8	888	M8
PARAMETER:					DBCP	DBCP	DBCP	DCPD	DCPD	DCPD
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME						
T44CW3	92	36110	05/11/87	15:42	<0.130			<9.31		
T44GMS3	28	36110	05/11/87	15:42		<15	<3.8		<4.7	<1.1
T44CW3	97	36139	05/11/87	14:39	<0.130			<9.31		
T44GMS3	29	36139	05/11/87	14:39		<15	<3.8		<4.7	<1.1
T44GMS3	41	37309	07/08/87	08:56		<15	<3.8		840	>170
T44OP3	4	37309	06/16/87	09:45	0.176			475		
T44GMS3	42	37332	07/08/87	08:05		<15	<3.8		<4.7	<1.1
T44OP3	9	37332	06/18/87	08:29	<0.130			<9.31		
T44GMS3	43	37333	07/09/87	07:20		<15	<3.8		<4.7	<1.1
T44OP3	10	37333	06/18/87	09:39	<0.130			<9.31		
T44GMS3	44	37344	07/08/87	11:15		<15	12		<4.7	43
T44GMS3	45	37359	07/08/87	09:45		<15	<3.8		<4.7	1.8
T44OP3	33	37359	06/17/87	10:25	<0.130			<9.31		
T44GMS3	46	CIII	07/08/87	09:55		<15	<3.8		<4.7	<1.1

SAMPLE LIST T4PAUL

STORET CODE:					34511	34475	34301
METHOD CODE:					Y8	Y8	Y8
PARAMETER:					112TCE	TCLEE	CLC6H5
UNITS:					UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME			
T44CW3	92	36110	05/11/87	15:42	<1.00	<1.30	<0.580
T44GMS3	28	36110	05/11/87	15:42	<1.00	<1.00	<2.10
T44CW3	97	36139	05/11/87	14:39	<1.00	<1.30	<0.580
T44GMS3	29	36139	05/11/87	14:39	<1.00	<1.00	<2.10
T44GMS3	41	37309	07/08/87	08:56	<1.00	73.5	<2.10
T44OP3	4	37309	06/16/87	09:45	<1.00	45.4	<0.580
T44GMS3	42	37332	07/08/87	08:05	<1.00	<1.00	6.64
T44OP3	9	37332	06/10/87	08:29	<1.00	<1.30	<0.580
T44GMS3	43	37333	07/09/87	07:20	<1.00	<1.00	<2.10
T44OP3	10	37333	06/18/87	09:39	<1.00	<1.30	<0.580
T44GMS3	44	37344	07/08/87	11:15	<1.00	116	3.89
T44GMS3	45	37359	07/08/87	09:45	<1.00	3.17	10.8
T44OP3	33	37359	06/17/87	10:25	<1.00	3.95	<0.580
T44GMS3	46	C111	07/08/87	09:55	<1.00	1.74	<2.10

GC/MS DATA FOR TENTATIVELY IDENTIFIED COMPOUNDS

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	01008	01012	01014	01020	02006	02019	02026	02030	02034	I 02035	I 02035	02037	02038	02039	03505	03523	04007	04009	04014	04021	04027	04030	04033	06065	07001
ANALYTES WITH 10 OR MORE OCCURRENCES																									
1,1,2,2-tetrachloroethane		7.41		5.33					10.6	17.6					14.0				16	6.44					
1,1,2-trichloroethane									7.34	5.64		7.83			7.59										
2,6,10,14-tetramethylhexadecane								55.1																	
2,6,10-trimethyl pentadecane								45																	
bis(2-ethylhexyl) phthalate								15.9																	
caprolactam	150								219		13.9			165					740	1120	660		5.75		
chlorobenzene				54.6																					
cyclopentanone						19.8																16.6			
hexadecanoic acid								89.2		6.76			6.47												
n-eicosane				15.7		335		76.3							109										
n-heneicosane						111		32.6							32.4										
n-heptadecane				38.2		1250		152		11.3					672										
n-hexadecane				19.4		706		96.4		37.9					323										
n-nonadecane		14.4		13.9		731		117		8.45					305										
n-pentadecane						210		27.2							114										
n-tetradecane						43									27.7										
octadecane						1630		125							517										
octadecanoic acid										14.8															
tetrachloroethene																									
THF (tetrahydrofuran)		25.7																							
ANALYTES WITH LESS THAN 10 OCCURRENCES																									
1,1-bis(methylthio)ethane																									
1,2,3,4,5,7,7-heptachloronorbornene																									
1,2-dichloroethane																									
1,2-dichloroethene				13																					
1,2-dichloropropene				33.4																					
1,3 cyclopentadiene																									
1,3,5-dioxathiolane																									
1,3-dithiolane				8.12																					
1,3-dithiolane-2-thione																									
1,4-cyclooctadiene			2400																						
1,4-dithian																									
1,4-dithiane																									
1-propanone									19.6																
1-(4-hydroxy-3-methoxyphenyl)ethanone																									
2 propanone								40																	
2,2,2-trichloroethanol																									
2,3-dichloro-2-methylbenzyl alcohol																									
2,4-imidazolidinedione																									
2,6,10,14-tetramethylhexadecane		11.4																							
2,6,10,14-tetramethylpentadecane		30																							
2,6,10,14-tetramethylhexadiene																									
2,6,10,14-tetramethylpentadecane								52.1																	
2,6,10,14-tetramethylpentadiene																									
2-cyclohexen-1-one																									

D_549

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	01908	01012	01014	01028	02008	02019	02020	02030	02034	02035 I	02035 II	02037	02038	02039	03005	03523	04007	04009	04014	04021	04027	04028	04033	04045	05001
2-methylcyclopentanone																									
2-methyl-2,4-pentanol																									
2-propanol																									
2-(4-methyl-2-furyl)-2-cyclopenten-1-one																									
3,3,5-trimethylcyclohexanon																									
3,5-dimethyl-1,2,4-trithiolane																									
3-methylhexane																									
3-methyl-1,3,5-hexatriene			7700																						
4-hydroxy-4-methyl-2-pentanone																									
8-oxatricyclo(2.2.2.0.2.6)-octan-7-ol																									
acetophenone																									
azidobenzene																									
benzaldehyde																									
benzothiazene																									
bicyclodihydropentadiene			1550																						
bicyclo[2.2.1]hept-2-en-7-ol																									
biphenyl-ol																									
butyl octadecanoate																									
butylglycolacetate																									
butylhexadecanoate													15.4												
cholesterol								6.1																	
chloromethyl phenol																									
chloro-methyl sulfonylamide																									
cholest-3-ene																									
CPHS isomer																									
cyclohexanone																									
cyclopenten-1-one																									
decanoic acid						25.9		18.3																	
dehydropyran																									
dichlorobenzene				144																					
diheptylphthalate		14.7																							
dihydroxymethylbenzoate																									
dimethoxymethane																									
dimethylphthalate																									
dimethylsulfide																									
dimethyltrithiolane																									
diphenyl ether																									
DMF																									
docosane						45.2									15.4										
dodecanamide																									
dodecanoic acid								287					3.11												
ethylbenzene			2680															15.5							
heptachlorobicycloheptene																									
heptachlorobicyclo[2.2.1]hept-2-ene																									
heptachloro-bicyclo[2.2.1]heptane																									
heptanone																									
hexachlorobicyclo[2.2.1]hepta-2-one																									
hexachlorobutadiene																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	01008	01012	01014	01020	02008	02019	02026	02030	02034	I 02035	I 02035	02037	02038	02039	03065	03523	04007	04009	04014	04021	04027	04030	04033	06065	e7001
hexadecanamide																									
hexanoic acid								6.82																	
hexanol																									
hexanone																									
isooctyl octadecanoate													10.2												
isobutylbenzene																									
isopropylbenzene																									
limonene																									
methoxybenzaldehyde																									
methyl ester of dihydroxybenzoic acid																									
methyl octane																									
methylbenzylamine																									
methylethylbenzene			750																						
methylnapthalene			6050															33.6							
methylsulfonylbenzene																									
methylthio-2-butanone																									
methyltricyclo(3,2,1,0,2,7)oct-3-ene-5-carboxylate																6.32									
methyl-2,4-pentanediol																									
p-mentha-1,8-diene																									
n methyl lutidon				10.4																					
napthalene			15200																						
nonanal																									
nonane																									
n,n-dibutylacetamide							[illegible]																		
n,n-dimethylbenzylamine																									
n-hexylacetamide																									
n-methylmethanamide ?								6.5																	
n-nitrosodipropylamide																									
n-n'-bis (1-methylethyl) urea																									
n-propylpropamine																									
n-tridecane																									
octadecanamide														21.5											
octadecanetriol?																									
octanoic acid														11.4											
pentachlorophenol																									
phenol																									
phosphorothioic acid																									
propanic acid																									
propanedinitryl																									
propanil																									
propanoic acid																									
propylbenzene																		47.1							
pyridine																									
p-isopropylbenzaldehyde																									
siloxane																									
sulfur																									
tetrachlorobenzene																									
tetrachlorophenol																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	01008	01012	01014	01020	02008	02019	02020	02030	02034	I 02635	I 02035	02037	02038	02039	03005	03523	04007	04009	04014	04021	04027	04036	04033	05005	07001
tetrachlorooctanone																									
tetracycloheptane								61.4																	
tetradecanoic acid																									
tetradecanol																									
thiophene																									
toluene			3630																						
trichlorobenzene																									
tricyclo[2.2.1.02,6]-heptan-3-ol																									
triethyl ester of phosphoric acid																									
triethylphosphate																									
trimethyl ester of phosphorothioic acid																									
trimethylbenzene																									
trimethylcyclohexane																		76.4							
xylene																									
xylene 527			3900																						
xylene 530			1000																						
freon																									
2-methyl, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl propionate	9				7													100							
ethyl, methyl benzene																		51							
ethyl dimethyl benzene																		21.2							
dodecyclohexanol																									
bis(isopropyl)urea																									
oxatricyclooctanone																									
2,6-t-butyl-4-methyl phenol																									
trichlorocyclopentene																									
5-ethyl-5-sec.amyl-2,4,6(1h,3h,5h)-pyrimidinetrione																									
5-methyl-1,3-oxathiane																									
155	2	6	10	11	1	11	6	13	4	7	1	1	4	3	11	1	0	7	2	2	1	1	1	0	0

General groups of compounds	01008	01012	01014	01020	02008	02019	02020	02030	02034	I 02635	I 02035	02037	02038	02039	03005	03523	04007	04009	04014	04021	04027	04036	04033	05005	07001
alkene		1						1							1										
635		28.1		12.1		29.1				12.1		10.8	36.2												
aliphatic hydrocarbon				1		1		1					1												
alkane		1		1																					
chlorinated compound																									
640		21.3		6.35						1.01		5.65	35.5												
sulfur compound																									
650		19.6		6.91						3.97		6.95	32.9												
655		33.9		12						19.5		11.2	57.8												
alkene or alcohol								1																	
632				6.34						6.69		5.68	13.3												
alkane or alkene																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	01008	01012	01014	01620	02008	02019	02020	02030	02034	02035 I	02035 I	02037	02038	02039	03005	03523	04067	04609	04014	04021	04027	04030	04033	06005	07001
643		77.5		22.9									56.2												
671		12.6								5.6		6.49	15.8												
651		7.83											13.6												
636																				7.45					
bicyclo compound			x																						
654																									
amide																									
648													6.63												
chlorohydrocarbon																									
665																									
649																									
bicyclo or tricyclo compound																									
alicyclic compound			x																						
631													6.81												
alcohol or unsaturated fatty acid													x												
alcohol																									
663																									
647																									
664																									
alkyne																									
acid or alcohol																									
637																									
646																									
638																									
aliphatic cyclic compound																									
phthalate																									
16	0	5	2	0	0	2	0	3	0	6	0	6	12	0	1	0	0	0	0	1	0	0	0	0	0

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	89662	69405	11002	22021	22024	22651	22659	22866	23004	23029	23095	23-191	23-192	23125	23102	23177	23155	23175	23162	23164	23185	23148	23150	24052	24100
ANALYTES WITH 10 OR MORE OCCURRENCES																									
1,1,2,2-tetrachloroethane							39.1					16.7			13.6		22.2	25.3			14.2	16.4	7.31		
1,1,2-trichloroethane							26.6					10.7			7.39		6.52	17.6			8.36				
2,6,10,14-tetramethylhexadecane													15.3				14.7				12.7	43.7			
2,6,10-trimethyl pentadecane				131	500										13	65.7	35.5					32.5	74		
bis(2-ethylhexyl) phthalate						19.9											7.46				10.6		92.9		
caprolactam	335						451	28.6				263	19.9					1190						13.6	
chlorobenzene																									
cyclopentanone				14.6	26.9										15.2		40.5					16.6			
hexadecanoic acid																	61.3								
n-eicosane				129	358								14.6		33.1	55.6	13.7					32	59.9		
n-heneicosane				38.5	193										12	19.5	7.9				11.7	11.7	16.6		
n-heptadecane				532	1750							50.2	49.3		157	259	113				40.3	137	267		
n-hexadecane				342	1000							23.2	26.3		46.1	154	85.4					72.7	190		
n-nonadecane				247	769							27.3	45		70.9	112	62.7				21.1	72.4	153		
n-pentadecane				114	504								1.54		40.4	47.5						33.1	46.6		
n-tetradecane				30.5	120										10.6	21.3							6.75		
octadecane				342	1620							29.2	36		134	257						46.3	225		
octadecanoic acid																									
tetrachloroethene									11.2		29.4						17.7	40.4							
THF (tetrahydrofuran)														9.7											
ANALYTES WITH LESS THAN 10 OCCURRENCES																									
1,1-bis(methylthio)ethane																									
1,2,3,4,5,7,7-heptachloronorbornene																									
1,2-dichloroethane																									
1,2-dichloroethene																									
1,2-dichloropropene																									
1,3 cyclopentadiene																									
1,2,6-hexathiorane																									
1,3-dithiolane																									
1,3-dithiolane-2-thione																									
1,4-cyclooctadiene																									
1,4-dithian																									
1,4-dithiane																							13.5			
1-propamine																									
1-(4-hydroxy-3-methoxyphenyl)ethanone																									
2 propanone																									
2,2,2-trichloroethanol																									
2,3-dichloro-2-methylbenzyl alcohol																									
2,4-imidazolidinedione																									
2,6,10,14-tetramethylhexadecane				111																					
2,6,10,14-tetramethylpentadecene												24.7													
2,6,10,14-tetramethyloctadecene																									
2,6,10,14-tetramethylpentadecane													11.9												
2,6,10,14-tetramethylpentadecene																									
2-cyclohexen-1-one																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	09002	09005	11002	22021	22024	22051	22059	22060	23004	23029	23095	23-151	23-152	23125	23162	23177	23175 J	23178 J	23182	23183	23185	23188	23190	24032	24106
2-methylcyclopentanone																									
2-methyl-2,4-pentanol																									
2-propanol																									
2-(4-methyl-2-furyl)-2-cyclopenten-1-one																	102								
3,3,5-trimethylcyclohexanon																									
3,5-dimethyl-1,2,4-trithiolane																									
3-methylhexane																									
3-methyl-1,3,5-hexatriene																									
4-hydroxy-4-methyl-2-pentanone																									
8-oxatricyclo(2.2.2.0,2.6)-octan-7-ol																	16.7	30.5							
acetophenone																									
azidobenzene																									
benzamide																									
benzothiazole																									
bicyclodihydropentadiene																									
bicyclo(2.2.1)hept-2-en-7-ol																									
biphenyl-ol				6.75	27.1																				
butyl octadecanoate																									
butylglycolacetate																									
butylhexadecanoate																									
chloroform																									
chloromethyl phenol																									
chloro-methyl sulfonylamide																									
cholest-3-ene																									
CPMS isomer																									
cyclohexanone																									
cyclopenten-1-one																									
decanoic acid					14.8																				
dehydropyran																									
dichlorobenzene																									
dibutylphthalate																									
dihydroxymethylbenzoate																	10.3								
dimethoxymethane																									
dimethylphthalate															46.4					5.88					
dimethylsulfide																									
dimethyltrithiolane																									
diphenyl ether																									
DMMP																									
docosane					[illegible]											7.89	.31						7.31		
dodecanamide																									
dodecanoic acid																							41.3		
ethylbenzene																									
heptachlorobicycloheptene									16.7																
heptachlorobicyclo(2.2.1)hept-2-ene											35.5							19							
heptachloro-bicyclo(2.2.1)heptane																									
heptanone																									
hexachlorobicyclo(2.2.1)hepta-2-ene																									
hexachloropentadiene											8.4						[illegible]	19.1							

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	09002	09005	11002	22021	22024	22051	22053	22060	23004	23025	23095	23-191	23-192	23125	23142	23172	23179 R	23179 R	23182	23183	23185	23186	23190	24092	21196
benzeneacetamide																									
benzoic acid																									
hexanal																									
hexanone																									
isobutyl octadecanoate																									
isobutylbenzene																		699							
isopropylbenzene																									
limonene					4.55																				
methoxybenzaldehyde																									
methyl ester of dihydroxybenzoic acid																									
methyl octane																									
methylbenzylamine											97														
methylethylbenzene																									
methylnapthalene																									
methylsulfonylbenzene									17.6								20.3								
methylthio-1-butanone																									
methyltricyclo(3,2,1,0,2,7)oct-3-ene-5-c																									
methyl-2,4-pentanediol																									
m-mentha-4,8-diene																									
n methyl lutidon																									
napthalene																									
nonanal					12.9																				
nonane																									
n,n-dibutylacetamide																									
n,n-dimethylbenzylamine																									
n-benzylacetamide																						3.48			
n-methylmethanamide ?																									
n-nitrosodipropylamide																									
n-n'-bis (1-methylethyl) urea																									
n-propylpropanine																									
n-tridecane				7.64	19.8																				
octadecanamide																					14.5				
octadecanethiol?																									
octanoic acid																									
pentachlorophenol																									
phenol																									
phosphorothioic acid																	8.68								
propanoic acid											21.5														
propanenitryl											38.6														
propanal																		6.4							
propanoic acid																									
propylbenzene																									
pyridine																									
p-isopropylbenzaldehyde																									
siloxane																									
sulfur																									
tetrachlorobenzene									29.5								9.21								
tetrachlorophenol																									

D_556

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	09002	09065	11002	22021	22024	22951	22955	22060	23004	23029	23095	23-191	23-192	23125	23142	23177	I 23173	I 23175	23182	23183	23185	23188	23190	24092	24106
tetrachloroethane											9.45														
tetracycloheptane											310														
tetradecanoic acid																									
tetradecanol																									
thiophene																									
toluene																									
trichlorobenzene																									
tricyclo[2,2,1.02,6]-heptan-3-ol																									
triethyl ester of phophoric acid																									
triethylphosphate																									
trimethyl ester of phosphorothioic acid																									
trimethylbenzene																									
trimethylcyclohexane																									
xylene																									
xylene 527																									
xylene 530																									
"freon"																									
2-methyl, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl propionate																									
ethyl, methyl benzene																									
ethyl dimethyl benzene																									
dodecycloxyethanol																									
bis(isopropyl)urea									33.5																
oxatricyclooctanone									15.2																
2,6-t-butyl-4-methyl phenol																									
trichlorocyclopentene																									
5-ethyl-5-sec.amyl-2,4,6(1h,3h,5h)-pyrimidinetrione																									
5-methyl-1,3-oxathiane																									
156	1	6	6	13	16	1	3	1	6	0	6	8	9	1	13	10	21	5	0	1	8	13	13	1	0

General gr--- xcompds	09002	09065	11002	22021	22024	22951	22955	22060	23004	23029	23095	23-191	23-192	23125	23142	23177	23173	23175	23182	23183	23185	23188	23190	24092	24106
alkene				x	x							x	x			x						x	x		
635															22										
aliphatic hydrocarbon					x										x								x		
alkane												x			x						x	x	x		
chlorinated compound									20.7	7.31	x						x								
640																									
sulfur compound																									
650																									
655																									
arene or alcohol															x										
632																									
alkane or alkene				x								x											x		

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	05802	05805	11602	22021	22024	22051	22059	22060	23001	23029	23035	23-131	23-132	23125	23142	23177	23179 ī	2317? I	23182	23183	23185	23168	2319?	24092	24106
643																									
671																									
651																									
636																									
bicyclo compound											12.2														
654																									
amine																									
648																									
chlorohydrocarbon																									
669																									
649												8													
bicyclo or tricyclo compound																									
alicyclic compound																									
631																									
alcohol or unsaturated f[illegible]y acid																									
alcohol																									
663																									
647																									
664																							8		
alkyne																									
acid or alcohol																									
637																									
646																									
638																			8						
aliphatic cyclic compound																									
phthalate																									
3a	0	0	0	2	2	0	0	0	1	1	3	3	1	0	4	1	1	1	0	0	1	3	4	0	0

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

				I	I							I	I							I	I		I	I	
Non-target analytes	24111	24113	24127	24173	24175	25016	25023	26011	26015	26027	26029	26041	26041	26056	26073	26083	26084	26085	26086	26127	26127	26128	26133	26133	26140
ANALYTES WITH 10 OR MORE OCCURRENCES																									
1,1,2,2-tetrachloroethane					32.1																			215	7.04
1,1,2-trichloroethane																8.55									
2,6,10,14-tetramethylhexadecane																									
2,6,10-trimethyl pentadecane																				119					
bis(2-ethylhexyl) phthalate	68.3		16.1	6.9			15.6							8.79											112
caprolactam		528	188			2350		216	375	221			121	340	1560			332					106	142	
chlorobenzene														10.6											
cyclopentanone												182				6.37	1.25		12.2	8.9	5.5				
hexadecanoic acid							9.66							10.9				9.09							
n-eicosane																95.5	221		213						
n-heneicosane																32.2	86.6		91.1						
n-heptadecane												22.5				200	843		563	412					
n-hexadecane																126			368						
n-nonadecane																410	378		369						
n-pentadecane																23.3	150		74.5	42.4					
n-tetradecane																	29.5			16.8					
octadecane																205	726		581	237					
octadecanoic acid						45.4	7.69							10.5					37.1						
tetrachloroethene				21																			351		
THF (tetrahydrofuran)									53.5	26	122	23.0		12.6			17		167	7.43		2100			126
ANALYTES WITH LESS THAN 10 OCCURRENCES																									
1,1-bis(methylthio)ethane																									
1,2,3,4,5,7,7-heptachloronorbornene				6.12								41.1													
1,2-dichloroethane																									
1,2-dichloroethene																									
1,2-dichloropropene																									
1,3 cyclopentadiene												31.8													
1,3,6-dioxathiolane																									
1,3-dithiolane																									
1,3-dithiolane-2-thione														15.6				26.8	9.66	7.32					
1,4-cyclooctadiene																									
1,4-dithian												46.4													
1,4-dithiane														122						124					
1-propanine																									
1-(4-hydroxy-3-methoxyphenol)ethanone																									
2 propanone																									
2,2,2-trichloroethanol																									
2,3-dichloro-2-methylbenzyl alcohol																							44.6		
2,4-imidazolidinedione																									
2,6,10,14-tetramethylhexadecane																									
2,6,10,14-tetramethylpentadecane																									
2,6,10,14-tetramethylhexadiene				11.5																					
2,6,10,14-tetramethylpentadecane																									
2,6,10,14-tetramethylpentadiene				9.19																					
2-cyclohexen-1-one																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	24111	24113	24127	I 24178	I 24178	25016	25623	26011	26015	26017	26020	I 26041	I 26041	26066	26073	26083	26084	26085	26086	I 26127	I 26127	26128	I 26133	I 26133	26140
2-methylcyclopentanone																									
2-methyl-2,4-pentanol													928												
2-propanol												277													
2-(4-methyl-2-furyl)-2-cyclopenten-1-one																									
3,3,5-trimethylcyclohexanone												195	126												
3,5-dimethyl-1,2,4-trithiolane														21.7				26.4		5.57		7.22			
3-methylhexane																									
3-methyl-1,3,5-hexatriene																									
4-hydroxy-4-methyl-2-pentanone												451	126										154	[illegible]	
8-oxatricyclo[2.2.2.0.2.6]-octan-7-ol																									
acetophenone																									
azidobenzene																									
benzamine																						25.7			
benzothiazene				26.2																					
bicyclodihydropentadiene																									
bicyclo[2.2.1]hept-2-en-7-ol																									
biphenyl-ol																									
butyl octadecanoate																									
butylglycolacetate														6.77	5.57										
butylhexadecanoate																									
chloroform																									
chloromethyl phenol												377	344												
chloro-methyl sulfarylamide																									
cholest-3-ene																52.8									
CFMS isomer																							26.5		
cyclohexanone																6.54									
cyclopenten-1-one												21.2													
decanoic acid																									
dehydropyran																									
dichlorobenzene																									
diheptylphthalate																									
dihydroxymethylbenzoate																									
dimethoxymethane												20.3													
dimethylphthalate																									
dimethylsulfide													5200												
dimethyltrithiolane																									
diphenyl ether																									
~~DMF~~												6600	5400										310	140	
docosane																	35.6		53						
dodecanamide																									
dodecanoic acid																			34						
ethylbenzene																									
heptachlorobicycloheptene																									
heptachlorobicyclo[2,2,1]hept-2-ene																							[illegible]	[illegible]	
heptachloro-bicyclo[2.2.1]heptane																									
heptanone																									
hexachlorobicyclo[2.2.1]hepta-2-one																									
hexachlorobutadiene																							74.9	[illegible]	

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	24111	24113	24127	24178 I	24178 I	25616	25623	26611	26615	26617	26020	26081 I	26041 I	26066	26073	26083	26084	26085	26086	26127 I	26127 I	26128	26133 I	26133 I	26140
hexadecanamide						27.7																			
hexanoic acid																									
hexanol																			10.7						
hexanone																									
isobutyl octadecanoate																									
isobutylbenzene																									
isopropylbenzene																									
limonene																									
methoxybenzaldehyde																					11				
methyl ester of dihydroxybenzoic acid																								30.1	
methyl octane																									
methylbenzylamine																									
methylethylbenzene																									
methylnapthalene																									
methylsulfonylbenzene												195											27		
methyltain-1-butanone																									
methyltricyclo[3,2,1,e,2,7]oct-3-ene-5-c																									
methyl-2,4-pentanediol												1000													
n-mentha-4,8-diene																									
n methyl lutidon																									
naptalene																									
nonanal																									
nonane																									
n,n-dibutylacetamide																									
n,n-dimethylbenzylamine																									
n-hexylacetamide																									
n-methylmethanamide ?																									
n-nitrosodipropylamide																									
n-n'-bis (1-methylethyl) urea									8.84														27.3		
n-propylpropanamide												66.7													
n-tridecane																									
octadecanamide						305	20																		
octadecanethiol?																									
octanoic acid												33.3													
pentachlorophenol																									
phenol												501													
phosphorothioic acid																									
propanoic acid																									
propanedinitryl																									
propanil																									
propanoic acid																									
propylbenzene																									
pyridine												15.3													
p-isopropylbenzaldehyde																									
siloxane													295												
sulfur												1990	344									644		203	
tetrachlorobenzene																									
tetrachlorophenol																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	24111	24113	2:127	X 24178	X 24178	25616	25023	26011	26015	26017	26020	X 26041	X 26641	26066	26073	26083	26084	26085	26086	X 26127	X 26127	26128	X 26133	X 26133	26140
tetrachlorooctanone																									
tetracycloheptane												141													
tetradecanoic acid												32.7							113						
tetradecanal																									
thiophene														30.2											
toluene												521	464				13.2						366	173	
trichlorobenzene																									
tricyclo[2.2.1.02,6]-heptan-3-ol																							64.2	35.9	
triethyl ester of phosphoric acid													364												
triethylphosphate												862													
trimethyl ester of phosphorothioic acid																							25.5		
trimethylbenzene																									
trimethylcyclohexane													216												
xylene																									
xylene 527																							53.9	25.7	
xylene 530																							46.4	28	
"freon"																									
2-methyl, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl propanoate																									
ethyl, methyl benzene																									
ethyl dimethyl benzene																									
dodecyclohexyethanol																									
bis(isopropyl)urea																									
oxatricyclooctanone																									
2,6-t-butyl-4-methyl phenol																									
trichlorocyclopentene																									
5-ethyl-5-sec.amyl-2,4,6(1h,3h,5h)-pyrimidinetrione																									
5-methyl-1,3-oxathiane																									
168	1	1	2	6	1	6	4	1	3	2	1	26	12	11	2	11	11	4	15	16	2	4	15	12	3

General groups of compounds	24111	24113	2:127	X 24178	X 24178	25616	25023	26011	26015	26017	26020	X 26041	X 26641	26066	26073	26083	26084	26085	26086	X 26127	X 26127	26128	X 26133	X 26133	26140
alkene																			x	x					
635						15						15.7			6.05	14.6		26	64.7			31.5			
aliphatic hydrocarbon																x	x		x	x		x			
alkane																				x		x			
chlorinated compound																								x	
640																		16.2	57.5			22.3			32.6
sulfur compound													x					x			x				
650																		8.71	28.6			14.7			72.3
655																		2.27	69.9			33			148
alkene or alcohol						x										x	x	x	x	x					
634																		11.4	55.3			10.5			42.8
alkane or alkene																				x					

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

non-target analytes	24111	24113	24127	I 24178	I 24178	25016	25623	26011	26015	26017	26020	I 26041	I 26041	26066	26073	26083	26084	26085	26086	I 26127	I 26127	26128	I 26133	I 26133	26140
643																									
671																			55.8			33.9			249
651																						11			44.5
636						12.5													16.1			6.23			23.2
bicyclo compound													656												
654													x											x	
amine																									
668												x			x										
chlorohydrocarbon																									12.4
669														x											
649																									
bicyclo or tricyclo compound																									
alicyclic compound													x												
631																									
alcohol or unsaturated fatty acid																									13
alcohol																									
663												x													
647																									16.2
664																									6.75
alkyne																									18.1
acid or alcohol																									
637																									
646																									13.4
638																									17.2
aliphatic cyclic compound																									11.5
phthalate																									
36	0	0	0	0	0	1	0	0	0	0	0	3	0	1	2	3	2	7	10	5	1	0	0	2	15

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	26142	27016	27040	27049	27053	27055	27062	28025	33026	33036	33063	35012	35013	35016	35037	35038	35052	35058	35065 (1)	35065 (2)	35666	36001	36065	36076	36082
ANALYTES WITH 10 OR MORE OCCURRENCES																									
1,1,2,2-tetrachloroethane			10.8				67.1								22.8		18.4		14.3			90.2			
1,1,2-trichloroethane															15.7										
2,6,10,14-tetramethylhexadecane			16.1				167		9.67				96.8												
2,6,10-trimethyl pentadecane			10.1				85					89	96.1												
bis(2-ethylhexyl) phthalate									25.4								6.05		23.1			13.5			
caprolactam					562	4810					2240			436	302			44.7	1290	89		37.1		675	
chlorobenzene												40.1		13.4					8.46			7900		6320	
cyclopentanone			17.2					5.38																	
hexadecanoic acid								15.5									6.02							14.2	7.09
n-eicosane									16.9			115	34.1									19.3			
n-heneicosane												25.9	10.4												
n-heptadecane									30.8			437	126									59.6			
n-hexadecane												265	20			601						31.9			
n-nonadecane			16.4						21.5			193	60.8									30.8			
n-pentadecane												90	20.2												
n-tetradecane												17.7	5.48												
octadecane									28.3			452	95												
octadecanoic acid								50.6									13.1							9.52	
tetrachloroethene																									
THF (tetrahydrofuran)	172		334					18					2.8			116				21.8					
ANALYTES WITH LESS THAN 10 OCCURRENCES																									
1,1-bis(methylthio)ethane																						55.5			
1,2,3,4,5,7,7-heptachloronorbornene																									
1,2-dichloroethane													10.8												
1,2-dichloroethene																									
1,2-dichloropropene																									
1,3 cyclopentadiene																									
1,3,5-trithiolane																									
1,3-dithiolane												31.1		29.4											11.6
1,3-dithiolane-2-thione																			26.6						11.5
1,4-cyclooctadiene																									
1,4-dithian																									
1,4-dithiane												133													
1-propanine																									
1-(4-hydroxy-3-methoxyphenyl)ethanone																								9.51	
2 propanone																									
2,2,2-trichloroethanol																						35.3			
2,3-dichloro-2-methylbenzyl alcohol																									
2,4-imidazolidinedione																			7.35						
2,6,10,14-tetramethylhexadecane																						14.1			
2,6,10,14-tetramethylpentadecane																									
2,6,10,14-tetramethylhexadiene																									
2,6,10,14-tetramethylpentadecane			35.2				219																		
2,6,10,14-tetramethylpentadiene																									
2-cyclohexen-1-one									8.63																

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	26142	27816	27840	27849	27653	27055	27062	28025	33926	33030	33063	35012	35013	35016	35037	35038	35052	35656	35665 I	35665 I	35666	36601	36665	36076	36092
2-methylcyclopentanone																									
2-methyl-2,4-pentanol																									
2-propanol																									
2-(4-methyl-2-furyl)-2-cyclopenten-1-one																									
3,3,5-trimethylcyclohexanon																									
3,5-dimethyl-1,2,4-trithiol-ne												50.1												21.1	
3-methylhexane																						1686			
3-methyl-1,3,5-hexatriene																									
4-hydroxy-4-methyl-2-pentanone																									
8-oxatricyclo(2,2,2,0,2,6)-octan-7-ol																									
acetophenone																						142		22.2	
aziridobenzene																									7.56
benzamine																									
benzothiazene																									
bicyclodihydropentadiene																									
bicyclo[2,2,1]hept-2-en-7-ol																								6.77	
biphenyl-ol													8.55												
butyl octadecanoate																			7.67						5.4
butylglycolacetate																									
butylhexadecanoate																			7.25						
chloroform																									
chloromethyl phenol																									
chloro-methyl sulfonylamide																								12.1	
cholest-5-ene																									
CPHS isomer																									
cyclohexanone																									
cyclopenten-1-one																									
decanoic acid																									
dehydropyran							71.4																		
dichlorobenzene																						554ee		155eee	
diheptylphthalate																									
dihydroxymethylbenzoate																									
dimethoxymethane																									
dimethylphthalate																									
dimethylsulfide																									
dimethyltrithiolane																									
diphenyl ether																						17.4		8.71	
DMF																									
docosane												11.5													
dodecanamide																									7.65
dodecanoic acid								6.48																	
ethylbenzene																									
heptachloronorcycloheptene																									
heptachloronorcyclo[2,2,1]hept-2-ene																									
heptachloro-bicyclo[2,2,1]heptane																						51.1			
heptanone																			9.62						
hexachloronorcyclo[2,2,1]hepta-2-one																						114			
hexachlorobutadiene																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	26142	27016	27040	27049	27653	27055	27062	28025	33026	33030	33063	35012	35013	35016	35037	35038	35052	35058	35065 I	35065 I	35066	36041	36065	36076	36082
hexadecanamide																									
benzoic acid																									
hexanal																						44.8			
hexanone																						2746		20.3	
isobutyl octadecanoate																									
isobutylbenzene																									
isopropylbenzene																						108			
limonene																									
methoxybenzaldehyde																									
methyl ester of dihydroxybenzoic acid																									
methyl octane																									
methylbenzylamine																	60.4								
methylethylbenzene																						547			
methylnaphthalene																									
methylsulfonylbenzene																			17.2					0.63	
methylthio-2-butanone																						25.5			
methyltricyclo[3.2.1.0,2,7]oct-3-ene-5-c																									
methyl-2,4-pentanediol																									
m-mentha-4,8-diene																								11.9	
n methyl lutidea																									
naphthalene																									
nonanal																									
nonane																									
n,n-dibutylacetamide																			15.3						
n,n-dimethylbenzylamine																	9.48								
n-hexylacetamide																								12.6	
n-methylmethanamine ?																									
n-nitrosodipropylamide																								14.5	
n-n'-bis (1-methylethyl) urea																									
n-propylpropanine																									
n-tridecane																									
octadecanamide								58.1									12.1								
octadecanethiol?																									
octanoic acid																									
pentachlorophenol																								65.1	
phenol																									
phosphorothioic acid																									
propanoic acid																									
propanedinitryl																									
propanol																									
propanoic acid																			33.8						
propylbenzene																						26.3			
pyridine																									
p-isopropylbenzaldehyde																			63.1						
siloxane																									
sulfur																									
tetrachlorobenzene																						13.3			
tetrachlorophenol																								16.[illegible]	

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	26102	27916	27646	27499	27653	27055	27062	28025	33826	33838	33063	35612	35613	35616	35637	35638	35652	35658	35065 I	35665 I	35666	35001	36065	36076	36082
tetrachlorooctanane																									
tetracycloheptane																									
tetradecanoic acid								11.2																	
tetradecanol			19																						
thiophene												27.4													
toluene																						346			
trichlorobenzene																						249		145	
tricyclo[2.2.1.02,6]-heptan-3-ol																									
triethyl ester of phosphoric acid																									
triethylphosphate																									
trimethyl ester of phosphorothioic acid																									
trimethylbenzene																						26.2			
trimethylcyclohexane																									
xylene																									
xylene 527																						1669			
xylene 530																						862			5.35
"freon"																	22.4								
2-methyl, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl propanoate																									
ethyl, methyl benzene																									
ethyl dimethyl benzene																									
dodecycloxyethanol																									
bis(isopropyl)urea																									
oxatricyclooctanone																									
2,6-di-butyl-4-methyl phenol						7.6																			
trichlorocyclopentene																									
5-ethyl-5-sec.butyl-2,4,6(1h,3h,5h)-pyrimidinetrione																									
5-methyl-1,3-oxathiane																									
150	1	0	8	6	1	2	5	7	7	0	1	15	13	3	3	2	8	1	13	2	6	23	0	15	?

General groups of compounds	26102	27916	27646	27499	27653	27055	27062	28025	33826	33838	33063	35612	35613	35616	35637	35638	35652	35658	35065	35665	35666	35001	36065	36076	36082
alkene							x					x	x												
635																									
aliphatic hydrocarbon									x																
alkane												x	x												
chlorinated compound							x														22.3	x		x	
540																									
sulfur compound			x									x		22.9					x						
950																									
655																									
alkene or alcohol																									
632																									
alkane or alkene							x						x												

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	26142	27816	27846	27849	27853	27855	27862	28025	33026	33038	33663	35012	35013	35016	35037	35638	35052	35656	I 35065	Z 35665	35666	36001	36005	36076	36082
643																									
671																									
651																									
636																									
bicycle compound																									
654																									
amide																									
646																									
chlorohydrocarbon						20																			
665																									
649																									
bicyclo or tricyclo compound																									
alicyclic compound																									
631																									
alkanol or unsaturated fatty acid																									
alkenol																									
663																									
647																									
664																									
alkyne																									
acid or alcohol																									
637																									
666																									
638																									
aliphatic cyclic compound																									
phthalate																									
38	0	0	1	0	0	1	3	0	1	0	0	3	3	1	0	6	0	0	1	0	1	1	0	2	0

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	36[illegible]4	36093	36112	36139	37305	37307	37308	37309	37312	37313	37328	37332	37343	37344	37347	37349	37351	37354	37356	37357	37359	BOLLER
ANALYTES WITH 10 OR MORE OCCURRENCES																						
1,1,2,2-tetrachloroethane			6.42																			
1,1,2-trichloroethane																						
2,6,10,14-tetramethylhexadecane			13.9																			
2,6,10-trimethyl pentadecane																						
bis(2-ethylhexyl) phthalate			30.1															2.83				18.4
caprolactam	136	86.3	13.6		154					359												
chlorobenzene		56.3										8.8		2.9							5.5	
cyclopentanone																						
hexadecanoic acid		6.32	11.2																			
n-eicosane			17.6			7.4																
n-heneicosane			7.28																			
n-heptadecane			37.4			26.8							14.3									
n-hexadecane			22.6																			
n-nonadecane			28.3			13							7.49									
n-pentadecane																						
n-tetradecane																						
octadecane			34.3			7.06																
octadecanoic acid		49.5	54.5																			
tetrachloroethene		11.2		23.1			20.5							39.5								
THF (tetrahydrofuran)																						
ANALYTES WITH LESS THAN 10 OCCURRENCES																						
1,1-bis(methylthio)ethane																						
1,2,3,4,5,7,7-heptachloronorbornene																						
1,2-dichloroethane																						
1,2-dichloroethene																						
1,2-dichloropropene																						
1,3 cyclopentadiene							18.9															
1,3,5-trithiane			7.47	7																		
1,3-dithiolane		73.1	13.2																			
1,3-dithiolane-2-thione			16.2																			
1,4-cyclooctadiene																						
1,4-dithian																						
1,4-dithiane																						
1-propanine																						
1-(4-hydroxy-3-methoxyphenol)ethanone																						
2 propanone																						
2,2,2-trichloroethanol																						
2,3-dichloro-2-methylbenzyl alcohol																						
2,4-imidazolidinedione																						
2,5,10,14-tetraethylhexadecane																						
2,6,10,14-tetraethylpentadecane																						
2,6,10,14-tetramethylheptadecene																						
2,6,10,14-tetramethylpentadecane			13.7										5.51									
2,6,10,14-tetramethylpentadiene																						
2-cyclohexen-1-one																						

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	36664	36690	36112	36119	37305	37307	37308	37309	37312	37313	37328	37332	37343	37344	37347	37349	37353	37354	37356	37357	37359	DOLLAR
2-methylcyclopentanone											10.1											
2-methyl-2,4-pentanol																						
2-propanol																						
2-(4-methyl-2-furyl)-2-cyclopenten-1-one										14.4												
3,3,5-trimethylcyclohexanon																						
3,5-dimethyl-1,2,4-trithiolane			70.8																			
3-methylhexane																						
3-methyl-1,3,5-hexatriene																						
4-hydroxy-4-methyl-2-pentanone																	13					
8-oxatricyclo(2,2,2,0,2,6)-octan-7-ol																						
acetophenone																						
azidobenzene																						
benzazine																						
benzothiazene																						
bicyclodihydropentadiene																						
bicyclo[2,2,1]hept-2-en-7-ol																						
biphenyl-ol																						
butyl octadecanoate																						
butylglycolacetate																						
butylhexadecanoate																						
chloroform																						
chloromethyl phenol																						
chloro-methyl sulforylamide																						
c [illegible]st-3-ene																						
C?ad isomer																						
cyclohexanone																						
cyclopenten-1-one																						
decanoic acid																						
dehydropyran																						
dichlorobenzene																					2.48	
diheptylphthalate			11																			
dihydroxymethylbenzoate																						
dimethoxymethane																						
dimethylphthalate																						
dimethylsulfide																						
dimethyltrithiolane		79.9		113																		
diphenyl ether																						
DMMP																						
docosane																						
dodecanamide																						
dodecanoic acid			45.2																			
ethylbenzene																						
heptachlorobicycloheptene																						
heptachlorobicyclo[2,2,1]hept-2-ene																						
heptachloro-bicyclo[2,2,1]heptane																						
heptanone																						
hexachlorobicyclo[2,2,1]hepta-2-one																						
hexachlorobutadiene																						

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	36684	36698	36112	36139	37305	37307	37308	37309	37312	37313	37320	37332	37343	37344	37347	37349	37353	37354	37356	37357	37353 BOILER
hexadecanamide																					
hexanoic acid																					
hexanol																					
hexanone																					
isobutyl octadecanoate																					
isopentylbenzene																					
isopropylbenzene																					
limonene																					
methoxybenzaldehyde																					
methyl ester of dihydroxybenzoic acid																					
methyl octane																	32.3				
methylbenzylamine																					
methylethylbenzene																					
methylnapthalene																					
methylsulfonylbenzene																					
methylthio-1-butanone																					
methyltricyclo[3.2.1.0,2,7]oct-3-ene-5-c																					
methyl-2,4-pentanediol																					
m-mentha-4,8-diene																					
n methyl lutidon																					
napthalene																					
nonanal																					
nonane																	28.9				
n,n-dibutylacetamide																					
n,n-dimethylbenzylamine																					
n-hexylacetamide																					
n-methylmethanamide ?																					
n-nitrosodipropylamine																					
n-n'-bis (1-methylethyl) urea																					
n-propylpropamine																					
n-tridecane																					
octadecanamide																					
octadecanethiol?			19.3																		
octanoic acid																					
pentachlorophenol																					
phenol																					
phosphorothioic acid																					
propanio acid																					
propanedinitryl																					
propanil																					
propanoic acid										38.7											
propylbenzene																					
pyridine																					
p-isopropylbenzaldehyde																					
siloxane																					
sulfur			21.5																		
tetrachlorobenzene																					
tetrachlorophenol																					

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	36084	36090	36112	36139	37305	37307	37308	37309	37312	37313	37320	37332	37343	37344	37347	37349	37353	37354	37356	37357	37359	BGLLEB
tetrachlorostannane																						
tetracycloheptane																						
tetradecanoic acid			18.6																			
tetradecanol																						
thiophene			58.5																			
toluene																						
trichlorobenzene																						
tricyclo[2.2.1.02,6]-heptan-3-ol																						
triethyl ester of phophoric acid																						
triethylphosphate																						
trimethyl ester of phosphorothioic acid																						
trimethylbenzene																						
trimethylcyclohexane																						
xylene																						
xylene 527																						
xylene 530																						
'freon																						
2-methyl, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl propionate																						
ethyl, methyl benzene																						
ethyl dimethyl benzene																						
dodecycloxyethanol																						
bisisopropylurea																						
oxatricyclooctanone																						
2,6-t-butyl-4-methyl phenol																						
trichlorocyclopentene	5.5																					
5-ethyl-5-sec.amyl-2,4,6(1h,3h,5h)-pyrimidinetrione	56.9																					
5-methyl-1,3-oxathiane		18.3																				
156	3	8	23	3	1	4	2	0	6	3	1	1	3	2	0	0	3	1	0	0	2	1

General groups of compounds	36084	36090	36112	36139	37305	37307	37308	37309	37312	37313	37320	37332	37343	37344	37347	37349	37353	37354	37356	37357	37359	BGLLEB
alkene																						
635																						
aliphatic hydrocarbon			8																			
alkane			8																			
chlorinated compound	57.2			7.7s																		5.7s
640			15.2																			
sulfur compound	23.9	44		114																		
650																						
655																						
alkene or alcohol																						
632																						
alkane or alkene																						

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	36084	36830	36112	36139	37305	37307	37308	37309	37312	37313	37320	37332	37343	37346	37347	37349	37353	37354	37356	37357	37359	SOLLEE
643																						
671																						
651																						
636																						
bicyclo compound																						
654			28.1																			6.42
amide																						
648																						
chlorohydrocarbon																						
669			8.85																			5.37
649			11.9																			7.08
bicycle or tricycle compound																						
alicyclic compound								88														
631																						
alcohol or unsaturated fatty acid																						
alcohol																						
663																						
647																						
664																						
alkyne																						
acid or alcohol			2																			
637																						
646																						
638																						
aliphatic cyclic compound																						
phthalate																						
38	2	1	7	2	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	4

TASK 4 GC/MS NONTARGET DATA 3RD AND 4TH QUARTERS FY1986

PARAMETERS UNITS	STORET # METHOD	01012 T4CC 1	TENTATIVE ID
DATE	06/25/86		
TIME	12:50		
UNK055	91055	28.7	THF
UNK532	91532	7.41	1,1,2,2-TETRACHLOROETHANE
UNK591	91591	6.43	ALKANE
UNK594	91594	30.0	2,6,10,14-TETRAETHYLPENTADECANE N-HEPTADECANE
UNK600	91600	11.4	2,6,10,14-TETRAETHYLHEXADECANE
UNK605	91605	14.4	N-NONADECANE
UNK608	91608	5.42	UNK
UNK617	91617	11.3	ALKENE
UNK632	91632	14.7	DIHEPTYLPHTHALATE
UNK635	91635	28.1	A PHTHALATE
UNK640	91640	27.3	A PHTHALATE
UNK643	91643	77.5	A PHTHALATE
UNK650	91650	19.6	A PHTHALATE
UNK651	91651	7.83	A PHTHALATE
UNK655	91655	39.9	A PHTHALATE
UNK671	91671	12.6	A PHTHALATE

PARAMETERS UNITS	STORET # METHOD	01014 T4CC 2	TENTATIVE ID
DATE	07/01/86		
TIME	08:36		
UNK123	91123	1720	
UNK127	91127	723	
UNK129	91129	773	
UNK144	91144	9640	
UNK147	91147	3780	
UNK514	91514	7700	CnH10, POSSIBLY 3-METHYL-1,3,5-HEXATRIENE
UNK515	91515	3630	TOLUENE
UNK522	91522	2400	XYLENE, POSSIBLY 1,4-CYCLO-OCTADIENE
UNK526	91526	2680	ETHYLBENZENE
UNK527	91527	9000	XYLENE
UNK529	91529	3820	BICYCLO COMPOUND
UNK530	91530	7000	XYLENE
UNK531	91531	1750	BICYCLO COMPOUND
UNK532	91532	1720	ISOMER OF UNK531
UNK536	91536	950	UNK
UNK538	91538	790	POSSIBLY METHYL ETHYL BENZENE
UNK539	91539	17200	BICYCLO COMPOUND
UNK540	91540	1450	BICYCLO COMPOUND
UNK541	91541	2710	UNK
UNK543	91543	1550	POSSIBLY BICYCLODIHYDRO-PENTADIENE
UNK548	91548	46600	ISOMER OF UNK543
UNK549	91549	8350	BICYCLO COMPOUND
UNK553	91553	61000	c11h10
UNK555	91555	30400	BICYCLO COMPOUND
UNK556	91556	39200	UNK, c12h16
UNK558	91558	28500	ISOMER OF UNK556
UNK559	91559	5050	UNK
UNK560	91560	3470	NAPTHALENE, ALICYCLIC COMPOUND
UNK561	91561	7000	NAPTHALENE, ALICYCLIC COMPOUND
UNK562	91562	15200	NAPTHALENE, ALICYCLIC COMPOUND
UNK563	91563	6150	BICYCLO COMPOUND, UNK
UNK564	91564	3680	ALICYCLIC COMPOUND, UNK
UNK565	91565	5170	ALICYCLIC COMPOUND, UNK
UNK566	91566	1270	UNK
UNK567	91567	1550	UNK
UNK569	91569	4800	UNK
UNK570	91570	6050	METHYL NAPTHALENE
UNK574	91574	1070	UNK, ALICYCLIC COMPOUND
UNK575	91575	8100	UNK, BICYCLIC COMPOUND
UNK576	91576	3640	UNK, ALICYCLIC COMPOUND

PARAMETERS	STORET #	01014 TACC	TENTATIVE ID
UNITS	METHOD	2	
DATE	07/01/86		
TIME	08:36		
UNK577	91577	775	UNK, ALICYCLIC COMPOUND
UNK579	91579	1890	UNK, ALICYCLIC COMPOUND
UNK583	91583	13900	UNK, ALICYCLIC COMPOUND
UNK584	91584	8050	UNK
UNK585	91585	2890	UNK, ALICYCLIC COMPOUND
UNK587	91587	34300	UNK, BICYCLIC COMPOUND
UNK588	91588	7230	UNK, ALICYCLIC COMPOUND
UNK590	91590	16300	UNK, ALICYCLIC COMPOUND
UNK591	91591	890	UNK, ALICYCLIC COMPOUND
UNK593	91593	4220	UNK, ALICYCLIC COMPOUND
UNK597	91597	1590	UNK, ALICYCLIC COMPOUND
UNK602	91602	770	UNK, ALICYCLIC COMPOUND
UNK612	91612	1290	UNK, ALICYCLIC COMPOUND
UNK615	91615	750	UNK
UNK617	91617	1310	UNK
UNK619	91619	1260	UNK, ALICYCLIC COMPOUND
UNK621	91621	635	UNK
UNK623	91623	335	UNK
UNK624	91624	403	UNK
UNK626	91626	2250	UNK
UNK627	91627	484	UNK
UNK672	91672	4990	UNK
UNK694	91694	3550	UNK

PARAMETERS UNITS	STORET # METHOD	01020 T4CC 3	TENTATIVE ID
DATE	06/25/86		
TIME	10:30		
UNK048	91048	13.0	1,2-DICHLOROETHENE
UNK079	91079	6.80	NO MATCH
UNK087	91087	33.4	1,2-DICHLOROPROPENE
UNK193	91193	144	DICHLOROBENZENE
UNK524	91524	54.6	CHLOROBENZENE
UNK532	91532	5.99	1,1,2,2-TETRACHLOROETHANE
UNK543	91543	11.1	DICHLOROBENZENE
UNK545	91545	39.0	DICHLOROBENZENE
UNK558	91558	8.13	SULFUR COMPOUND, POSSIBLY 1,3-DITHIOLANE
UNK566	91566	28.7	UNK
UNK572	91572	8.66	UNK
UNK574	91574	99.5	UNK
UNK578	91578	30.6	UNK
UNK580	91580	10.4	N-METHYL LUTIDON (c8h11n0)
UNK581	91581	14.8	UNK
UNK582	91582	13.4	ALKANE, UNK
UNK584	91584	540	UNK
UNK588	91588	19.4	N-HEXADECANE
UNK591	91591	22.6	UNK
UNK594	91594	38.2	N-HEPTADECANE, ALKANE
UNK600	91600	11.5	ALKANE
UNK604	91604	37.2	UNK
UNK605	91605	19.9	N-NONADECANE
UNK608	91608	51.0	UNK
UNK609	91609	139	UNK
UNK610	91610	15.7	N-EICOSANE, UNK
UNK616	91616	100	UNK
UNK617	91617	6.34	ALIPHATIC HYDROCARBON
UNK619	91619	13.9	UNK
UNK620	91620	7.23	UNK
UNK629	91629	7.70	UNK
UNK632	91632	6.43	A PHTHALATE
UNK635	91635	12.1	A PHTHALATE
UNK640	91640	6.39	A PHTHALATE
UNK643	91643	22.9	A PHTHALATE
UNK650	91650	6.91	A PHTHALATE
UNK655	91655	12.0	A PHTHALATE

PARAMETERS UNITS	STORET # METHOD	02019 THCC	TENTATIVE ID
DATE		06/24/86	
TIME		09:06	
UNK122	91122	4.22	NO MATCH
UNK517	91517	19.8	CYCLOPENTANONE
UNK573	91573	29.9	DECANOIC ACID
UNK575	91575	29.0	TETRADECANE
UNK578	91578	16.1	ALIPHATIC HYDROCARBON
UNK579	91579	20.8	ALIPHATIC HYDROCARBON
UNK582	91582	210	PENTADECANE
UNK585	91585	102	ALIPHATIC HYDROCARBON
UNK586	91586	125	ALIPHATIC HYDROCARBON
UNK587	91587	19.5	ALIPHATIC HYDROCARBON
UNK588	91588	706	HEXADECANE
UNK591	91591	398	ALIPHATIC HYDROCARBON
UNK592	91592	99.9	ALIPHATIC HYDROCARBON
UNK594	91594	1250	ALIPHATIC HYDROCARBON, HEPTADECANE
UNK596	91596	164	ALIPHATIC HYDROCARBON
UNK597	91597	107	ALIPHATIC HYDROCARBON
UNK598	91598	125	ALIPHATIC HYDROCARBON
UNK600	91600	1030	OCTADECANE, ALIPHATIC HYDRO-CARBON
UNK601	91601	25.7	ALIPHATIC HYDROCARBON
UNK602	91602	176	ALIPHATIC HYDROCARBON
UNK603	91603	212	ALIPHATIC HYDROCARBON
UNK605	91605	731	NONADECANE, ALIPHATIC HYDRO-CARBON
UNK607	91607	72.0	ALIPHATIC HYDROCARBON
UNK608	91608	88.4	ALIPHATIC HYDROCARBON
UNK610	91610	335	N-EICOSANE
UNK612	91612	126	ALIPHATIC HYDROCARBON
UNK613	91613	58.5	ALIPHATIC HYDROCARBON
UNK614	91614	45.6	ALIPHATIC HYDROCARBON
UNK615	91615	111	N-HENEICOSANE
UNK617	91617	271	ALIPHATIC HYDROCARBON
UNK619	91619	32.7	ALIPHATIC HYDROCARBON
UNK620	91620	45.2	DOCOSANE
UNK621	91621	35.8	ALIPHATIC HYDROCARBON
UNK626	91626	38.9	ALIPHATIC HYDROCARBON
UNK627	91627	191	ALIPHATIC HYDROCARBON
UNK628	91628	30.7	ALIPHATIC HYDROCARBON
UNK635	91635	29.1	PHTHALATE
UNK642	91642	23.3	UNK

PARAMETERS	STORET #	02020	TENTATIVE ID
UNITS	METHOD	T4CC2 4	
DATE		09/17/86	
TIME		11:16	
UNK642	91642	14.5	UNK
UNK671	91671	57.4	UNK
UNK693	91693	28.5	UNK

PARAMETERS UNITS	STORET # METHOD	02030 T-CC 5	TENTATIVE ID
DATE	06/27/86		
TIME	14:01		
UNK037	91037	27.6	2 PROPANONE
UNK042	91042	9.90	2 PROPANONE
UNK044	91044	40.0	2 PROPANONE
UNK079	91079	4.10	CHLOROFORM
UNK152	91152	6.50	N METHYLMETHAMINE
UNK559	91559	6.82	HEXANOIC ACID, OCTANOIC ACID
UNK563	91563	35.6	UNK
UNK573	91573	28.3	DECANOIC ACID
UNK576	91576	30.7	UNK
UNK580	91580	9.53	UNK
UNK582	91582	27.2	N-PENTADECANE
UNK585	91585	12.3	ALKENE OR ALCOHOL
UNK587	91587	287	DODECANOIC ACID
UNK588	91588	96.4	N-HEXADECANE
UNK589	91589	9.32	ALKENE OR ALCOHOL
UNK591	91591	45.0	ALIPHATIC HYDROCARBON, 2,6,10-TRIMETHYLPENTADECANE
UNK592	91592	20.2	ALKENE, ALIPHATIC HYDROCARBON
UNK593	91593	45.6	UNK, ALIPHATIC HYDROCARBON
UNK594	91594	152	N-HEPTADECANE
UNK595	91595	52.1	2,6,10,14-TETRAMETHYLPENTADECANE
UNK597	91597	40.5	ALIPHATIC HYDROCARBON
UNK598	91598	61.4	TETRADECANOIC ACID
UNK600	91600	125	N-OCTADECANE
UNK601	91601	55.1	2,6,10,14-TETRAMETHYLHEXADECANE
UNK602	91602	18.5	ALIPHATIC HYDROCARBON
UNK603	91603	8.91	ALIPHATIC HYDROCARBON
UNK604	91604	8.77	ALIPHATIC HYDROCARBON
UNK605	91605	64.7	ALKENE OR ALCOHOL, HYDROCARBON
UNK606	91606	117	N-NONADECANE
UNK609	91609	89.2	HEXADECANOIC ACID
UNK611	91611	76.3	N-EICOSANE
UNK614	91614	26.9	ALKENE OR ALCOHOL
UNK615	91615	33.7	ALKENE OR ALCOHOL
UNK616	91616	32.6	N-HENEICOSANE
UNK617	91617	0.0	NOT FOUND
UNK618	91618	466	ALCOHOL OR ALKENE
UNK620	91620	9.68	ALIPHATIC HYDROCARBON
UNK632	91632	16.9	ALIPHATIC HYDROCARBON
UNK635	91635	14.9	BIS(2-ETHYLHEXYL)PHTHALATE
UNK642	91642	14.5	UNK

PARAMETERS	STORET #	02034 T4CC2	TENTATIVE ID
UNITS	METHOD	5	
DATE		09/05/86	
TIME		13:57	
UNK059	91059	19.8	1 PROPAMINE
UNK515	91515	7.34	1,1,2-TRICHLOROETHANE
UNK531	91531	10.6	1,1,2,2-TETRACHLOROETHANE
UNK565	91565	219	CAPROLACTAM

PARAMETERS UNITS	STORET # METHOD	02035 T:CC	TENTATIVE ID
DATE		06/25/86	
TIME		09:02	
UNK515	91515	9.64	1,1,2-TRICHLOROETHANE
UNK532	91532	17.6	1,1,2,2-TETRACHLOROETHANE
UNK551	91551	6.89	UNK
UNK594	91594	11.3	N-HEPTADECANE
UNK600	91600	37.9	N-HEXADECANE, ALKANE
UNK605	91605	8.45	N-NONADECANE
UNK608	91608	6.76	HEXADECANOIC ACID
UNK617	91617	14.8	OCTADECANOIC ACID
UNK632	91632	6.69	A PHTHALATE
UNK635	91635	12.1	A PHTHALATE
UNK640	91640	7.01	A PHTHALATE
UNK650	91650	9.97	A PHTHALATE
UNK655	91655	19.5	A PHTHALATE
UNK671	91671	5.60	A PHTHALATE

PARAMETERS	STORET #	02035 T4CC2	TENTATIVE ID
UNITS	METHOD	6	
DATE		09/05/86	
TIME		15:00	
UNK565	91565	73.9	CAPROLACTAM

PARAMETERS	STORET #	02037 T4CC	TENTATIVE ID
UNITS	METHOD	7	
DATE		06/23/86	
TIME		11:26	
UNK532	91532	7.83	1,1,2,2-TETRACHLOROETHANE
UNK585	91585	7.56	UNK
UNK617	91617	10.1	UNK
UNK632	91632	5.88	PHTHALATE
UNK635	91635	10.8	PHTHALATE
UNK640	91640	5.85	PHTHALATE
UNK642	91642	35.5	UNK
UNK650	91650	6.95	PHTHALATE
UNK655	91655	11.2	PHTHALATE
UNK660	91660	67.4	UNK
UNK661	91661	56.2	UNK
UNK671	91671	6.49	PHTHALATE

PARAMETERS UNITS	STORET # METHOD	02038 T4CC 8	TENTATIVE ID
DATE		06/23/86	
TIME		15:55	
UNK562	91562	7.88	UNK
UNK576	91576	7.31	UNK
UNK586	91586	9.11	DODECANOIC ACID
UNK608	91608	8.47	HEXADECANOIC ACID
UNK617	91617	7.81	ALCOHOL OR UNSATURATED FATTY ACIDS
UNK619	91619	15.8	BUTYL HEXADECANOATE
UNK628	91628	10.2	ISOBUTYL OCTADECANOATE
UNK631	91631	6.81	PHTHALATE
UNK632	91632	19.9	PHTHALATE
UNK633	91633	7.97	ALIPHATIC HYDROCARBON
UNK635	91635	36.2	PHTHALATE
UNK637	91637	6.94	ALIPHATIC HYDROCARBON
UNK640	91640	35.5	PHTHALATE
UNK641	91641	35.3	UNK
UNK642	91642	173	UNK
UNK643	91643	56.2	PHTHALATE
UNK644	91644	16.9	UNK
UNK645	91645	35.1	UNK
UNK646	91646	14.7	ALIPHATIC HYDROCARBON
UNK648	91648	6.63	PHTHALATE
UNK650	91650	32.9	PHTHALATE
UNK651	91651	13.6	PHTHALATE
UNK652	91652	8.72	ALIPHATIC HYDROCARBON
UNK655	91655	57.8	PHTHALATE
UNK671	91671	19.8	PHTHALATE

PARAMETERS	STORET #	02039 T:CC	TENTATIVE ID
UNITS	METHOD	9	
DATE	06/24/86		
TIME	10:05		
UNK565	91565	165	CAPROLACTAM
UNK608	91608	7.02	UNK
UNK618	91618	7.93	UNK
UNK621	91621	80.1	UNK
UNK627	91627	17.0	UNK, OCTADECANAMIDE
UNK628	91628	21.5	OCTADECANAMIDE
UNK637	91637	29.4	UNK
UNK642	91642	425	UNK
UNK647	91647	10.7	UNK
UNK655	91655	11.4	OCTANOIC ACID, 1,2,3-PROPANETRYL
UNK657	91657	33.4	UNK
UNK674	91674	1650	UNK

PARAMETERS	STORET #	03005 T4CC	TENTATIVE ID
UNITS	METHOD	10	
DATE	06/11/86		
TIME	11:50		
UNK515	91515	7.59	1,1,2-TRICHLOROETHANE
UNK532	91532	14.4	1,1,2,2-TETRACHLOROETHANE
UNK575	91575	27.7	N-TETRADECANE
UNK576	91576	7.49	UNK
UNK578	91578	11.5	C15 ALKENE
UNK579	91579	15.6	C15 ALKENE
UNK582	91582	113	N-PENTADECANE
UNK585	91585	24.6	C16 ALKENE
UNK586	91586	51.0	C16 ALKENE, C17 ALKENE
UNK588	91588	329	N-HEXADECANE
UNK591	91591	154	C17, C18 ALKENE
UNK592	91592	38.3	C17 ALKENE
UNK594	91594	672	N-HEPTADECANE, 2,6,10,14-TETRA-METHYLPENTADECANE
UNK596	91596	59.9	C18 ALKENE
UNK597	91597	51.7	C18 ALKENE
UNK598	91598	15.1	C18 ALKENE
UNK599	91599	BK	
UNK600	91600	517	N-OCTADECANE, C19 ALKENE, 2,6,10,14-TETRAMETHYLHEXADECANE
UNK602	91602	39.5	C19 ALKENE
UNK603	91603	73.4	C19 ALKENE
UNK605	91605	303	N-NONADECANE
UNK608	91608	13.7	C20 ALKENE
UNK610	91610	109	N-EICOSANE
UNK612	91612	11.7	C21 ALKENE
UNK614	91614	15.8	C21 ALKENE
UNK615	91615	32.4	N-HENEICOSANE
UNK617	91617	12.6	C22 ALKENE
UNK620	91620	13.2	N-DOCONANE
UNK621	91621	16.9	C23 ALKENE
UNK642	91642	112	UNK

PARAMETERS	STORET #	03523 T4WC	TENTATIVE ID
UNITS	METHOD	1	
DATE		06/04/86	
TIME		13:47	
UNK567	91567	*OK15.9	NO MATCH
UNK581	91581	*OK10.5	NO MATCH
UNK582	91582	*OK28.6	NO MATCH
UNK586	91586	*OK8.32	METHYL TRICYCLO(3,2,1,0,2,7)OCT-3-ENE-5-CARBOXYLATE

		04007	
PARAMETERS	STORET #	T4WC	TENTATIVE ID
UNITS	METHOD	2	
DATE	06/04/86		
TIME	14:13		

PARAMETERS UNITS	STORET # METHOD	04014 T4WC2 5	TENTATIVE ID
DATE		08/26/86	
TIME		08:04	
UNK532	91532	16.0	1,1,2,2-TETRACHLOROETHANE
UNK564	91564	740	CAPROLACTAM
UNK622	91622	9.71	UNK
UNK642	91642	871	UNK
UNK672	91672	6040	UNK
UNK695	91695	4160	UNK

PARAMETERS UNITS	STORET # METHOD	04021 T4WC2 6	TENTATIVE ID
DATE		08/25/86	
TIME		10:18	
UNK531	91531	6.44	1,1,2,2-TETRACHLOROETHANE
UNK565	91565	1120	CAPROLACTAM
UNK636	91636	7.45	PHTHALATE
UNK642	91642	47.4	UNK
UNK671	91671	304	UNK
UNK693	91693	223	UNK

PARAMETERS	STORET #	04027 T4WC2	TENTATIVE ID
UNITS	METHOD	7	
DATE		08/26/86	
TIME		11:59	
UNK565	91565	668	CAPROLACTAM
UNK642	91642	31.9	UNK
UNK671	91671	207	UNK
UNK693	91693	132	UNK

		04030	
PARAMETERS	STORET #	T4WC	TENTATIVE ID
UNITS	METHOD	3	
DATE	06/04/86		
TIME	08:24		
UNK518	91518	*OK16.8	CYCLOPENTANONE

PARAMETERS	STORET #	04033 T4WC	TENTATIVE ID
UNITS	METHOD	4	
DATE	06/04/86		
TIME	09:01		
UNK565	91565	*OK5.75	HEXAHYDRO-2H-AZEPIN-2-ONE
UNK622	91622	*OK5.88	NO MATCH
UNK642	91642	*OK51.9	NO MATCH

PARAMETERS	STORET #	6005 T4BWC	TENTATIVE ID
UNITS	METHOD	4	
DATE		06/04/86	
TIME		11:37	
UNK642	91642	*OK11.1	NO MATCH

PARAMETERS	STORET #	07001 T4BWC	TENTATIVE ID
UNITS	METHOD	1	
DATE		05/29/86	
TIME		11:26	

PARAMETERS	STORET #	09005 T4WC	TENTATIVE ID
UNITS	METHOD	5	
DATE		06/05/86	
TIME		11:05	

	11002	
PARAMETERS	STORET #	T4BWC	TENTATIVE ID
UNITS	METHOD	2	
DATE		05/29/86	
TIME		08:45	

PARAMETERS	STORET #	22021 T4CC	TENTATIVE ID
UNITS	METHOD	11	
DATE		06/12/86	
TIME		09:37	
UNK517	91517	14.6	CYCLOPENTANONE
UNK568	91568	7.64	N-TRIDECANE
UNK575	91575	38.2	N-TETRADECANE
UNK578	91578	16.5	C14 OR C15 ALKENE
UNK579	91579	19.6	C15 ALKENE
UNK582	91582	114	N-PENTADECANE
UNK583	91583	6.75	BIPHENYL-OL
UNK585	91585	37.6	C16 ALKENE
UNK586	91586	33.0	C16 ALKENE
UNK588	91588	342	N-HEXADECANE
UNK591	91591	131	C17 OR C18 ALKANE OR ALKENE, 2,6,10-TRIMETHYLPENTADECANE
UNK592	91592	16.9	C18 OR C17 ALKENE
UNK594	91594	532	N-HEPTADECANE, 2,6,10,14-TETRA-METHYLPENTADECANE
UNK596	91596	54.5	C18 ALKENE, ALKANE
UNK597	91597	46.9	C18 ALKENE
UNK598	91598	13.6	C18 ALKENE
UNK599	91599	382	N-OCTADECANE
UNK600	91600	111	2,6,10,14-TETRAMETHYLHEXADECANE
UNK602	91602	38.3	C19 OR C20 ALKENE
UNK603	91603	77.0	C19 OR C20 ALKENE
UNK605	91605	247	N-NONADECANE, C19 ALKENE
UNK607	91607	16.4	C20 OR C21 ALKENE
UNK608	91608	15.9	C20 ALKENE
UNK610	91610	129	N-EICOSANE
UNK612	91612	13.0	C20 OR C21 ALKENE
UNK613	91613	6.84	C21 ALKENE
UNK614	91614	17.8	C21 ALKENE
UNK615	91615	38.5	N-HENEICOSANE
UNK617	91617	19.1	C21 ALKENE
UNK620	91620	15.9	C21 OR C22 ALKENE
UNK621	91621	20.8	C23 ALKENE
UNK642	91642	11.6	UNK

PARAMETERS UNITS	STORET # METHOD	22024 T4CC 12	TENTATIVE ID
DATE		06/12/86	
TIME		07:28	
UNK517	91517	26.9	CYCLOPENTANONE
UNK545	91545	9.95	LIMONENE
UNK552	91552	12.9	NONANAL
UNK568	91568	19.4	N-TRIDECANE
UNK573	91573	14.8	DECANOIC ACID, C15 ALKENE
UNK575	91575	120	N-TETRADECANE
UNK578	91578	51.2	C14 OR C15 ALKENE
UNK579	91579	77.7	C15 OR C16 ALKENE
UNK580	91580	26.8	C16 ALKENE, ALKENE
UNK582	91582	504	N-PENTADECANE
UNK583	91583	27.1	BIPHENYL-OL
UNK585	91585	126	C16 OR C17 ALKENE, ALKENE
UNK586	91586	178	C16 OR C17 ALKENE
UNK587	91587	52.8	C17 ALKENE, ALKENE
UNK588	91588	1060	N-HEXADECANE
UNK589	91589	14.6	C17 ALKENE OR ALKENE
UNK591	91591	580	2,6,10-TRIMETHYLPENTADECANE, C17 OR C18 ALKENE
UNK592	91592	144	C18 ALKENE
UNK594	91594	1790	N-HEPTADECANE, 2,6,10,14-TETRA-METHYLPENTADECANE
UNK596	91596	175	ALIPHATIC HYDROCARBON
UNK597	91597	273	ALIPHATIC HYDROCARBON
UNK598	91598	201	ALIPHATIC HYDROCARBON
UNK600	91600	1620	N-OCTADECANE, ALIPHATIC HYDROCARBON
UNK602	91602	132	ALIPHATIC HYDROCARBON
UNK603	91603	266	ALIPHATIC HYDROCARBON
UNK604	91604	79.2	ALIPHATIC HYDROCARBON
UNK605	91605	749	ALIPHATIC HYDROCARBON, N-NONADECANE
UNK607	91607	43.7	ALIPHATIC HYDROCARBON
UNK608	91608	102	ALIPHATIC HYDROCARBON
UNK610	91610	358	N-EICOSANE
UNK612	91612	47.7	ALIPHATIC HYDROCARBON
UNK613	91613	81.5	ALIPHATIC HYDROCARBON
UNK615	91615	103	N-HENEICOSANE
UNK617	91617	36.8	ALIPHATIC HYDROCARBON
UNK619	91619	34.3	N-DOCOSANE
UNK621	91621	37.6	ALIPHATIC HYDROCARBON
UNK632	91632	20.7	ALIPHATIC HYDROCARBON
UNK642	91642	110	UNK

PARAMETERS	STORET #	22059 T4CC2	TENTATIVE ID
UNITS	METHOD	7	
DATE	09/03/86		
TIME	10:24		
UNK515	91515	26.6	1,1,2-TRICHLOROETHANE
UNK531	91531	39.1	1,1,2,2-TETRACHLOROETHANE
UNK565	91565	451	CAPROLACTAM
UNK642	91642	1340	UNK
UNK647	91647	12.4	UNK
UNK654	91654	1580	UNK
UNK672	91672	7400	UNK
UNK694	91694	6320	UNK

PARAMETERS	STORET #	22060 T4CC2	TENTATIVE ID
UNITS	METHOD	S	
DATE		09/03/86	
TIME		08:05	
UNK564	91564	28.6	CAPROLACTAM
UNK642	91642	63.3	UNK
UNK650	91650	20.3	UNK
UNK654	91654	960	UNK
UNK671	91671	130	UNK
UNK693	91693	60.9	UNK

PARAMETERS UNITS	STORET # METHOD	23095 T4CC2 9	TENTATIVE ID
DATE	09/03/86		
TIME	12:31		
UNK036	91036	13.0	
UNK049	91049	4.45	
UNK053	91053	4.80	
UNK123	91123	38.6	PROPANEDINITRYL
UNK144	91144	6.30	ISOMER OF DICYCLOPENTADIENE
UNK146	91146	8.30	ISOMER OF DICYCLOPENTADIENE
UNK158	91158	21.5	PROPAMIN ACID
UNK161	91161	310	TETRACYCLOHEPTANE, ISOBUTYLBENZENE
UNK177	91177	8.40	HEXACHLOROBUTADIENE
UNK518	91518	20.4	TETRACHLOROETHENE
UNK551	91551	10.9	UNK
UNK552	91552	10.7	UNK
UNK553	91553	26.8	UNK
UNK555	91555	119	UNK
UNK558	91558	25.3	UNK
UNK561	91561	16.3	UNK
UNK562	91562	9.45	TETRACHLOROSTANNANE
UNK564	91564	11.8	UNK
UNK566	91566	131	CYCLIC COMPOUND
UNK570	91570	97.0	POSSIBLY ALPHA-METHYLBENZYLAMINE
UNK571	91571	29.7	UNK
UNK572	91572	11.1	UNK
UNK574	91574	9.25	UNK
UNK575	91575	9.33	UNK
UNK577	91577	26.3	BICYCLO OR TRICYCLO COMPOUND
UNK579	91579	1730	UNK
UNK581	91581	115	BICYCLO OR TRICYCLO COMPOUND
UNK584	91584	399	UNK
UNK586	91586	1260	UNK
UNK588	91588	620	UNK
UNK591	91591	35.5	HEPTACHLOROBICYCLO[2,2,1]-HEPT-2-ENE
UNK595	91595	95.8	UNK
UNK605	91605	20.5	UNK
UNK606	91606	55.5	UNK
UNK609	91609	236	UNK
UNK618	91618	19.5	UNK
UNK621	91621	11.8	UNK
UNK622	91622	69.0	UNK
UNK625	91625	55.6	HEXACHLORO COMPOUND
UNK632	91632	120	UNK
UNK638	91638	56.0	UNK
UNK642	91642	740	UNK
UNK647	91647	94.2	UNK
UNK654	91654	12.2	PHTHALATE
UNK656	91656	39.4	UNK
UNK672	91672	4170	UNK
UNK695	91695	4100	UNK

23-191			
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	15	
DATE	09/04/86		
TIME	15:15		
UNK515	91515	10.7	1,1,2-TRICHLOROETHANE
UNK531	91531	16.7	1,1,2,2-TETRACHLOROETHANE
UNK551	91551	6.10	UNK
UNK565	91565	263	CAPROLACTAM
UNK579	91579	13.7	UNK
UNK582	91582	7.86	UNK
UNK588	91588	23.2	HEXADECANE
UNK591	91591	19.9	ALKANE
UNK594	91594	50.2	HEPTADECANE
UNK595	91595	24.7	2,6,10,14-TETRAMETHYLPENTADECANE
UNK597	91597	6.52	ALKENE
UNK600	91600	29.2	OCTADECANE
UNK601	91601	18.0	ALKANE, ALKENE
UNK605	91605	27.3	NONADECANE
UNK611	91611	10.9	ALKANE
UNK642	91642	660	UNK
UNK671	91671	2370	UNK
UNK694	91694	2150	UNK

PARAMETERS UNITS	STORET # METHOD	23-192 T4CC2 17	TENTATIVE ID
DATE		09/05/86	
TIME		16:00	
UNK564	91564	29.9	CAPROLACTAM
UNK582	91582	7.54	N-PENTADECANE
UNK588	91588	26.3	N-HEXADECANE
UNK591	91591	13.6	ALKENE
UNK594	91594	49.3	N-HEPTADECANE
UNK595	91595	17.9	2,6,10,16-TETRAMETHYLPENTADECANE
UNK598	91598	6.92	ALKENE
UNK600	91600	36.0	N-OCTADECANE
UNK601	91601	15.9	2,6,10,14-TETRAMETHYLHEXADECANE
UNK605	91605	25.0	N-NONADECANE
UNK609	91609	68.0	UNK
UNK611	91611	14.6	N-EICOSANE
UNK622	91622	20.6	UNK
UNK638	91638	50.1	UNK
UNK642	91642	355	UNK
UNK647	91647	22.2	UNK
UNK656	91656	11.6	UNK
UNK671	91671	1460	UNK
UNK693	91693	1170	UNK

PARAMETERS	STORET #	23125 T40C2	TENTATIVE ID
UNITS	METHOD	10	
DATE		09/25/86	
TIME		15:24	
UNK055	91055	*OK9.70	THF
UNK089	91089	*BK0	NO MATCH
UNK129	91129	*BK0	NO MATCH
UNK174	91174	*BK0	NO MATCH
UNK653	91653	331	CORRESPONDING LOT-HIT-NOT FOUND

PARAMETERS UNITS	STORET # METHOD	23142 T4CC 13	TENTATIVE ID
DATE		06/26/86	
TIME		08:47	
UNK055	91055	31.7	
UNK064	91064	156	
UNK515	91515	7.39	1,1,2-TRICHLOROETHANE
UNK517	91517	15.2	CYCLOPENTANONE
UNK532	91532	13.6	1,1,2,2-TETRACHLOROETHANE
UNK551	91551	10.3	UNK
UNK563	91563	15.7	UNK
UNK575	91575	10.6	N-TETRADECANE
UNK579	91579	46.4	DIMETHYL PHTHALATE, UNK
UNK582	91582	44.4	N-PENTADECANE, UNK
UNK586	91586	13.3	ALIPHATIC HYDROCARBON
UNK587	91587	96.8	UNK
UNK588	91588	46.1	N-HEXADECANE
UNK591	91591	73.0	ALIPHATIC HYDROCARBON, 2,6,10-TRIMETHYLPENTADECANE ALKENE OR ALCOHOL
UNK592	91592	20.3	ALKANE, ALIPHATIC HYDROCARBON
UNK594	91594	157	N-HEPTADECANE, 2,6,10,14-TETRA-METHYLPENTADIENE
UNK596	91596	15.5	ALIPHATIC HYDROCARBON
UNK597	91597	18.0	ALIPHATIC HYDROCARBON
UNK600	91600	134	N-OCTADECANE, 2,6,10,14-TETRA-METHYLHEXADECANE
UNK602	91602	14.1	ALIPHATIC HYDROCARBON
UNK603	91603	17.0	ALIPHATIC HYDROCARBON
UNK604	91604	7.16	ALIPHATIC HYDROCARBON
UNK605	91605	70.9	N-NONADECANE
UNK607	91607	6.80	ALIPHATIC HYDROCARBON
UNK608	91608	8.96	ALIPHATIC HYDROCARBON
UNK610	91610	33.1	N-EICOSANE
UNK615	91615	12.0	N-HEHEICOSANE
UNK617	91617	15.3	ALKENE OR ALCOHOL
UNK621	91621	7.17	ALIPHATIC HYDROCARBON
UNK635	91635	22.0	A PHTHALATE, BIS(2-ETHYLHEXYL)-PHTHALATE

PARAMETERS	STORET #	23177 T4CC	TENTATIVE ID
UNITS	METHOD	15	
DATE	06/12/86		
TIME	15:00		
UNK575	91575	11.3	N-TETRADECANE
UNK578	91578	6.56	C14 ALKENE
UNK579	91579	6.87	C15 ALKENE
UNK582	91582	47.5	N-PENTADECANE
UNK585	91585	11.8	C16 ALKENE, ALKENE
UNK586	91586	15.4	C16 ALKENE
UNK588	91588	154	N-HEXADECANE
UNK591	91591	65.7	C17 ALKENE, 2,6,10-TRIMETHYL-PENTADECANE
UNK592	91592	16.0	C17 ALKENE
UNK594	91594	259	N-HEPTADECANE, 2,6,10,14-TETRA-METHYLPENTADECANE
UNK596	91596	25.1	C18 ALKENE
UNK597	91597	20.1	C17 OR C18 ALKENE
UNK598	91598	6.36	C18 ALKENE
UNK600	91600	257	N-OCTADECANE, 2,6,10,14-TETRA-METHYLHEXADECANE
UNK601	91601	BK	
UNK602	91602	21.1	C19 ALKENE
UNK603	91603	30.8	C19 ALKENE
UNK604	91604	9.38	C19 ALKENE
UNK605	91605	112	N-NONADECANE
UNK610	91610	55.8	N-EICOSANE
UNK614	91614	6.58	C21 ALKENE
UNK615	91615	19.5	N-HENEICOSANE
UNK620	91620	7.69	N-DOCOSANE
UNK621	91621	8.75	C22 ALKENE
UNK642	91642	71.0	UNK
UNK664	91664	414	

PARAMETERS UNITS	STORET # METHOD	23179 T4CC 16	TENTATIVE ID
DATE		06/12/86	
TIME		09:42	
UNK161	91161	24400	NO MATCH
UNK515	91515	6.52	1,1,2-TRICHLOROETHANE
UNK517	91517	40.5	CYCLOPENTANONE
UNK519	91519	17.7	TETRACHLOROETHENE
UNK532	91532	22.2	1,1,2,2-TETRACHLOROETHANE
UNK536	91536	16.3	UNK
UNK540	91540	8.68	PHOSPHOROTHIDIC ACID, TRIMETHYL ESTER
UNK551	91551	24.4	UNK
UNK553	91553	41.9	UNK
UNK554	91554	19.7	UNK
UNK555	91555	106	UNK
UNK558	91558	20.0	UNK
UNK559	91559	17.0	UNK
UNK560	91560	6.56	UNK
UNK561	91561	20.6	UNK
UNK562	91562	33.2	HEXACHLOROBUTADIENE
UNK563	91563	28.7	UNK
UNK566	91566	32.3	UNK
UNK567	91567	20.4	UNK
UNK568	91568	16.7	8-OXATRICYCLO(2,2,2,0,2,6)-OCTAN-7-ONE (c17c18)
UNK570	91570	129	UNK
UNK572	91572	39.1	UNK
UNK573	91573	30.1	UNK
UNK574	91574	9.21	TETRACHLOROBENZENE
UNK575	91575	20.3	METHYLSULFOXYLBENZENE
UNK577	91577	65.4	UNK
UNK579	91579	250	UNK
UNK580	91580	544	UNK
UNK581	91581	38.1	UNK
UNK582	91582	51.6	UNK
UNK583	91583	102	2-(4-METHYL-2-FURYL)-2-CYCLO-PENTEN-/ONE, UNK
UNK584	91584	83.8	UNK
UNK587	91587	174	UNK
UNK588	91588	85.8	N-HEXADECANE
UNK589	91589	14.2	UNK
UNK590	91590	11.7	UNK
UNK591	91591	35.5	UNK, 2,6,10-TRIMETHYLPENTADECANE
UNK592	91592	7.55	UNK
UNK593	91593	8.40	UNK
UNK594	91594	133	N-HEPTADECANE, 2,6,10,14-TETRA-METHYLPENTADECANE
UNK595	91595	23.2	UNK
UNK596	91596	19.6	UNK
UNK597	91597	7.56	UNK
UNK598	91598	10.8	UNK

UNK600	91600	14.7	2,6,10,14-TETRAMETHYLHEXADECANE
UNK602	91602	31.7	UNK
UNK605	91605	62.7	N-NONADECANE
UNK606	91606	17.8	UNK
UNK608	91608	63.3	UNK, HEXADECANOIC ACID
UNK609	91609	10.3	DIHYDROXYLMETHYLBENZOATE
UNK610	91610	19.7	N-EICOSANE
UNK615	91615	7.90	N-HENEICOSANE
UNK619	91619	6.51	N-DOCOSANE
UNK620	91620	13.2	UNK
UNK621	91621	8.46	UNK
UNK622	91622	8.36	CHLORINATED COMPOUND W/ 4CL
UNK623	91623	7.56	UNK
UNK625	91625	12.0	UNK
UNK631	91631	10.4	UNK
UNK633	91633	10.6	CHLORINATED COMPOUND (cl4)
UNK635	91635	7.46	BIS(2-ETHYLHEXYL)PHTHALATE
UNK642	91642	14.1	UNK

PARAMETERS	STORET #	23179 T4CC2	TENTATIVE ID
UNITS	METHOD	12	
DATE	09/02/86		
TIME	09:57		
UNK044	91044	6.40	2 PROPANIL
UNK053	91053	4.50	NO MATCH
UNK123	91123	30.8	ISOMER OF DICYCLOPENTADIENE
UNK144	91144	10.8	ISOMER OF DICYCLOPENTADIENE
UNK158	91158	54.7	ISOBUTYLBENZENE
UNK161	91161	699	ISOBUTYLBENZENE
UNK515	91515	17.2	1,1,2-TRICHLOROETHANE
UNK518	91518	46.2	TETRACHLOROETHENE
UNK531	91531	25.9	1,1,2,2-TETRACHLOROETHANE
UNK535	91535	21.2	UNK
UNK540	91540	50.4	UNK
UNK551	91551	36.3	UNK
UNK552	91552	20.4	UNK
UNK553	91553	48.7	UNK
UNK554	91554	32.2	UNK
UNK555	91555	174	UNK
UNK558	91558	24.8	UNK
UNK562	91562	19.1	HEXACHLOROBUTADIENE
UNK566	91566	1790	CAPROLACTAM
UNK569	91569	30.5	POSSILBY 8-OXATRICYCLO-(2,2,2,0,2,6)OCTAN-2-ONE
UNK570	91570	84.9	UNK
UNK571	91571	106	UNK
UNK572	91572	79.9	UNK
UNK573	91573	24.0	ALIPHATIC CYCLIC COMPOUND
UNK574	91574	24.6	UNK
UNK575	91575	32.7	UNK
UNK577	91577	126	UNK
UNK580	91580	1300	UNK
UNK581	91581	30.2	UNK
UNK582	91582	64.9	UNK
UNK583	91583	86.9	UNK
UNK584	91584	51.9	UNK
UNK587	91587	365	ALIPHATIC CYCLIC COMPOUND
UNK588	91588	38.3	UNK
UNK589	91589	22.7	UNK
UNK591	91591	19.0	HEPTACHLORO-BICYCLO-[2,2,1]-HEPT-2-ENE
UNK594	91594	20.9	UNK
UNK595	91595	17.8	UNK
UNK602	91602	75.5	UNK
UNK605	91605	37.7	UNK
UNK606	91606	52.0	UNK
UNK608	91608	121	UNK
UNK609	91609	17.4	UNK
UNK642	91642	255	UNK
UNK671	91671	1080	UNK
UNK693	91693	854	UNK

	23182		
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	14	
DATE	09/04/86		
TIME	10:12		
UNK642	91642	186	UNK
UNK652	91652	110	UNK
UNK671	91671	680	UNK
UNK693	91693	413	UNK

PARAMETERS	STORET #	23183 T4CC2	TENTATIVE ID
UNITS	METHOD	15	
DATE		09/04/86	
TIME		14:07	
UNK579	91579	5.88	DIMETHYL PHTHALATE
UNK587	91587	39.9	UNK

PARAMETERS	STORET #	23185 T4CC	TENTATIVE ID
UNITS	METHOD	17	
DATE	06/19/86		
TIME	10:03		
UNK515	91515	8.38	1,1,2-TRICHLOROETHANE
UNK532	91532	14.2	1,1,2,2-TETRACHLOROETHANE
UNK562	91562	15.2	UNK
UNK563	91563	16.3	UNK
UNK576	91576	23.8	UNK
UNK582	91582	6.98	UNK
UNK588	91588	14.9	UNK
UNK591	91591	8.09	C17 OR C18 ALKANE
UNK594	91594	38.3	N-HEPTADECANE
UNK600	91600	12.7	2,6,10,14-TETRAMETHYLHEXADECANE
UNK605	91605	21.1	N-NONADECANE
UNK610	91610	11.7	N-HENEICOSANE
UNK628	91628	14.5	OCTADECANAMIDE, UNK
UNK642	91642	10.8	BIS(2-ETHYLHEXYL)PHTHALATE

PARAMETERS	STORET #	23188	TENTATIVE ID
UNITS	METHOD	T4CC 18	
DATE	06/19/86		
TIME	11:46		
UNK129	91129	13.5	1,4 DITHIAN
UNK161	91161	7.60	NO MATCH
UNK517	91517	18.2	CYCLOPENTANONE
UNK532	91532	10.4	1,1,2,2-TETRACHLOROETHANE
UNK541	91541	7.18	UNK
UNK553	91553	10.3	UNK
UNK555	91555	16.6	UNK
UNK558	91558	8.24	POSSIBLY N-HEXYLACETAMIDE
UNK561	91561	19.2	N,N'-BIS(1-METHYLETHYL)UN
UNK563	91563	6.60	UNK
UNK566	91566	9.13	UNK
UNK569	91569	27.3	UNK
UNK570	91570	52.2	UNK
UNK572	91572	7.52	UNK
UNK574	91574	9.41	UNK
UNK575	91575	9.87	UNK
UNK576	91576	17.6	UNK
UNK577	91577	11.3	UNK
UNK579	91579	6.58	UNK
UNK580	91580	251	UNK
UNK581	91581	7.26	UNK
UNK582	91582	33.1	N-PENTADECANE
UNK583	91583	11.2	POSSIBLY 2-(4-METHYL-2-FURYL)?
UNK584	91584	18.2	UNK
UNK586	91586	45.6	UNK
UNK587	91587	6.74	C12 ALKYNE
UNK588	91588	79.7	N-HEXADECANE, ALKENE OR ALCOHOL
UNK591	91591	32.5	ALKANE, 2,6,10-TRIMETHYL- PENTADECANE
UNK594	91594	137	N-HEPTADECANE, 2,6,10,14-TETRA- METHYLPENTADECANE
UNK596	91596	15.5	C18 ALKANE
UNK597	91597	13.4	C17 ALKENE
UNK599	91599	86.9	N-OCTADECANE
UNK600	91600	23.7	2,6,10,14-TETRAMETHYLHEXADECANE
UNK602	91602	36.2	UNK
UNK603	91603	16.2	ALKENE
UNK605	91605	72.4	N-NONADECANE, ALKANE OR ALKENE
UNK608	91608	15.0	ALKENE
UNK610	91610	32.0	N-EICOSANE
UNK615	91615	11.7	N-HENEICOSANE
UNK620	91620	7.65	UNK
UNK621	91621	7.80	UNK

PARAMETERS UNITS	STORET # METHOD	23190 TICC 19	TENTATIVE ID
DATE	06/19/86		
TIME	12:41		
UNK532	91532	7.31	1,1,2,2-TETRACHLOROETHANE
UNK575	91575	8.75	N-TETRADECANE
UNK579	91579	6.28	ALKANE
UNK582	91582	48.6	N-PENTADECANE
UNK585	91585	33.6	ALKENE
UNK586	91586	41.9	ALKANE, DODECANOIC ACID, ALKENE
UNK588	91588	190	N-HEXADECANE
UNK591	91591	74.0	ALKANE, 2,6,10-TRIMETHYL-PENTADECANE, ALKENE
UNK592	91592	19.1	ALKANE, ALKENE
UNK594	91594	267	ALKANE, N-HEPTADECANE, 2,6,10,14-TETRAMETHYLPENTANONE
UNK596	91596	30.1	ALKANE
UNK597	91597	65.8	ALKENE
UNK598	91598	7.57	ALKENE
UNK600	91600	228	N-OCTADECANE, 2,6,10,14-TETRA-METHYLHEXADECANE
UNK602	91602	23.6	ALKANE OR ALKENE
UNK603	91603	34.4	ALKENE
UNK605	91605	143	ALKANE, N-NONADECANE
UNK607	91607	9.65	ALKENE
UNK608	91608	28.1	ALKENE
UNK610	91610	59.9	N-EICOSANE
UNK614	91614	7.79	ALKENE
UNK615	91615	18.6	N-HENEICOSANE
UNK617	91617	15.7	ALKENE OR ALCOHOL
UNK619	91619	8.30	ALKENE
UNK620	91620	7.31	DOCOSANE OR ALKENE
UNK621	91621	9.35	ALIPHATIC HYDROCARBON
UNK635	91635	92.9	BIS(2-ETHYLHEXYL)PHTHALATE
UNK642	91642	35.6	UNK

PARAMETERS	STORET #	24178 TICC	TENTATIVE ID
UNITS	METHOD	20	
DATE	06/19/86		
TIME	14:22		
UNK519	91519	21.0	TETRACHLOROETHENE
UNK589	91589	33.7	UNK
UNK591	91591	6.12	1,2,3,4,5,7,7-HEPTACHLORNOR-BORNENE
UNK594	91594	9.79	2,6,10,14-TETRAMETHYLPENTADIENE
UNK600	91600	11.5	2,6,10,14-TETRAMETHYLHEXADIENE
UNK629	91629	26.2	POSSIBLY A BENZOTHIAZENE
UNK635	91635	6.90	BIS(2-ETHYLHEXYL)PHTHALATE

PARAMETERS	STORET #	24178 T4CC2	TENTATIVE ID
UNITS	METHOD	18	
DATE	09/22/86		
TIME	14:50		
UNK518	91518	32.1	TETRACHLOROETHANE
UNK589	91589	23.1	UNK
UNK629	91629	19.4	UNK

PARAMETERS UNITS	STORET # METHOD	25016 T4CC2 20	TENTATIVE ID
DATE		09/05/86	
TIME		11:06	
UNK568	91568	2350	CAPROLACTAM
UNK571	91571	21.9	UNK
UNK599	91599	21.5	UNK
UNK617	91617	19.3	ALKENE OR ALCOHOL
UNK618	91618	49.4	OCTADECANOIC ACID, UNK
UNK619	91619	14.7	UNK
UNK620	91620	27.7	AN ALIPHATIC AMIDE, POSSIBLY HEXADECANAMIDE
UNK622	91622	81.6	UNK
UNK625	91625	6.91	UNK
UNK626	91626	7.32	UNK
UNK628	91628	305	AN ALIPHATIC AMIDE, LIKELY OCTADECENAMIDE
UNK629	91629	53.8	OCTADECANAMIDE
UNK635	91635	15.0	PHTHALATE
UNK636	91636	12.5	PHTHALATE
UNK637	91637	15.1	UNK
UNK638	91638	57.4	UNK
UNK642	91642	676	UNK
UNK647	91647	21.9	UNK
UNK652	91652	230	UNK
UNK656	91656	95.0	UNK
UNK671	91671	3470	UNK
UNK694	91694	2550	UNK

PARAMETERS UNITS	STORET # METHOD	25023 T4CC 21	TENTATIVE ID
DATE	06/25/86		
TIME	08:36		
UNK517	91517	13.8	UNK
UNK551	91551	14.9	UNK
UNK608	91608	9.06	HEXADECANOIC ACID
UNK617	91617	7.69	OCTADECANOIC ACID
UNK619	91619	6.01	
UNK620	91620	6.75	UNK
UNK623	91623	6.01	UNK
UNK628	91628	20.0	AN AMIDE, OCTADECANAMIDE
UNK635	91635	19.6	BIS(2-ETHYLHEXYL)PHTHALATE
UNK636	91636	6.30	UNK
UNK642	91642	26.6	UNK

PARAMETERS	STORET #	26011 T4CC2	TENTATIVE ID
UNITS	METHOD	21	
DATE	09/19/86		
TIME	08:54		
UNK565	91565	216	CAPROLACTAM
UNK579	91579	34.7	UNK
UNK585	91585	11.4	UNK
UNK642	91642	757	UNK
UNK671	91671	3760	UNK
UNK694	91694	3680	UNK

PARAMETERS UNITS	STORET # METHOD	26015 T4CC2 22	TENTATIVE ID
DATE		09/22/86	
TIME		09:10	
UNK055	91055	53.5	THF
UNK562	91562	8.04	N-N'-BIS(1-METHYLETHYL)UREA
UNK565	91565	375	CAPROLACTAM
UNK570	91570	28.5	UNK
UNK579	91579	26.9	UNK
UNK602	91602	7.28	UNK
UNK609	91609	7.37	UNK
UNK642	91642	18.9	UNK
UNK671	91671	61.9	UNK
UNK693	91693	35.4	UNK

PARAMETERS	STORET #	26017 T4CC2	TENTATIVE ID
UNITS	METHOD	23	
DATE	09/22/86		
TIME	10:53		
UNK055	91055	26.0	THF
UNK565	91565	221	CAPROLACTAM
UNK642	91642	48.3	UNK
UNK671	91671	113	UNK
UNK693	91693	58.1	UNK

		26020	
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	24	
DATE	09/23/86		
TIME	08:45		
UNK055	91055	122	THF

PARAMETERS	STORET #	26041 T4CC	TENTATIVE ID
UNITS	METHOD	23	
DATE	06/27/86		
TIME	10:28		
UNK020	91020	247	UNK
UNK044	91044	277	2 PROPANOL
UNK049	91049	28.3	DIMETHOXYMETHANE
UNK055	91055	23.4	THF
UNK123	91123	34.8	1,3-CYCLOPENTADIENE
UNK129	91129	46.4	1,4-DITHIAM
UNK156	91156	28.2	NO MATCH
UNK161	91161	141	TETRACYCLOHEPTANE
UNK513	91513	15.3	PYRIDINE
UNK514	91514	60.7	N-PROPYLPROPANAMINE
UNK515	91515	921	TOLUENE
UNK517	91517	182	CYCLOPENTANONE
UNK522	91522	21.2	CYCLOPENTEN-/-ONE
UNK523	91523	453	4-HYDROXY-4-METHYL-2-PENTANONE
UNK530	91530	8680	DMMP
UNK536	91536	1720	UNK
UNK540	91540	1080	METHYL-2,4-PENTANEDIOL
UNK543	91543	18.5	UNK
UNK546	91546	195	3,3,5-TRIMETHYLCYCLOHEXANON
UNK548	91548	501	POSSIBLY PHENOL
UNK554	91554	377	POSSIBLY CHLOROMETHYL PHENOL
UNK555	91555	882	TRIETHYLPHOSPHATE
UNK560	91560	2280	UNK
UNK561	91561	101	UNK
UNK566	91566	564	UNK
UNK568	91568	2500	UNK
UNK570	91570	398	CHLOROMETHYL PHENOL
UNK571	91571	48.4	CHLOROMETHYL PHENOL
UNK574	91574	242	UNK
UNK575	91575	53.0	AN ACID
UNK576	91576	195	METHYL SULFOXYL BENZENE
UNK578	91578	68.2	UNK
UNK579	91579	24.8	UNK
UNK586	91586	2320	UNK
UNK587	91587	1160	UNK
UNK588	91588	1160	UNK
UNK590	91590	1160	UNK
UNK591	91591	41.1	HEPTACHLORONOLBORENE
UNK594	91594	22.5	N-HEPTADECANE
UNK595	91595	36.7	UNK
UNK597	91597	9.90	UNK
UNK598	91598	32.7	TETRADECANOIC ACID
UNK606	91606	2060	UNK
UNK611	91611	427	UNK
UNK614	91614	1090	MOLECULAR SULFUR (S8)
UNK618	91618	567	ALCOHOL
UNK619	91619	66.3	UNK

UNK621	91621	44.8	UNK
UNK627	91627	76.0	AN AMIDE
UNK629	91629	29.7	UNK
UNK634	91634	111	UNK
UNK635	91635	19.7	PHTHALATE
UNK637	91637	12.3	UNK
UNK642	91642	834	UNK
UNK646	91646	15.9	UNK
UNK654	91654	33.3	OCTANOIC ACID
UNK656	91656	143	UNK
UNK669	91669	26.7	UNK
UNK672	91672	4450	UNK

PARAMETERS UNITS	STORET # METHOD	26041 T4CC2 25	TENTATIVE ID
DATE	09/23/86		
TIME	07:10		
UNK035	91035	5280	DIMETHYL SULFIDE
UNK043	91043	170	NO MATCH
UNK162	91162	295	SILOSANE
UNK175	91175	216	TRIMETHYLCYCLOHEXANE
UNK514	91514	464	TOLUENE
UNK523	91523	126	4-HYDROXY-4-METHYL-2-PENTANONE
UNK528	91528	5480	DMMP
UNK533	91533	924	POSSIBLY 2-METHYL-2,4-PENTANOL
UNK545	91545	126	POSSIBLY TRIMETHYLCYCLOHEXANONE
UNK554	91554	304	TRIETHYL ESTER OF PHOSPHORIC ACID
UNK557	91557	728	UNK
UNK561	91561	916	UNK
UNK562	91562	280	UNK
UNK564	91564	121	CAPROLACTAM
UNK566	91566	344	BICYCLO COMPOUND, POSSIBLY CHLOROMETHYL PHENOL
UNK569	91569	552	UNK
UNK578	91578	165	UNK
UNK582	91582	212	UNK
UNK584	91584	492	UNK
UNK586	91586	836	UNK, CYCLO COMPOUND
UNK587	91587	944	UNK, CYCLO COMPOUND
UNK602	91602	1460	SULFUR CONTAINING COMPOUND
UNK605	91605	297	UNK
UNK606	91606	680	UNK
UNK608	91608	748	UNK
UNK609	91609	792	UNK
UNK614	91614	944	MOLECULAR SULFUR
UNK615	91615	184	UNK
UNK618	91618	339	UNK
UNK619	91619	241	UNK
UNK621	91621	351	UNK
UNK622	91622	148	UNK
UNK636	91636	656	PHTHALATE
UNK642	91642	440	UNK
UNK671	91671	1010	UNK
UNK693	91693	560	UNK

PARAMETERS	STORET #	26066 TICC	TENTATIVE ID
UNITS	METHOD	22	
DATE	06/25/86		
TIME	09:25		
UNK041	91041	5.10	NO MATCH
UNK056	91056	12.6	THF
UNK080	91080	30.2	THIOPHENE
UNK129	91129	122	1,4-DITHIANE
UNK524	91524	10.6	CHLOROBENZENE
UNK551	91551	6.77	POSSIBLY BUTYLGLYCOLACETATE
UNK558	91558	15.6	POSSIBLY 1,3-DITHIOLANE-2-THION
UNK563	91563	24.9	UNK
UNK566	91566	344	CAPROLACTAM
UNK573	91573	21.7	3,5-DIMETHYL-1,2,4-TRITHIOLANE
UNK578	91578	11.1	UNK
UNK580	91580	13.7	A CHLOROHYDORCARBON
UNK608	91608	10.9	HEXADECANOIC ACID
UNK617	91617	10.9	OCTADECANOIC ACID
UNK635	91635	8.79	BIS(2-ETHYLHEXYL)PHTHALATE
UNK637	91637	11.1	UNK
UNK642	91642	265	UNK
UNK647	91647	10.5	UNK
UNK655	91655	6.33	UNK
UNK657	91657	12.3	UNK
UNK664	91664	8.32	UNK
UNK674	91674	1540	UNK

PARAMETERS	STORET #	26073 TICC	TENTATIVE ID
UNITS	METHOD	24	
DATE	06/26/86		
TIME	09:52		
UNK551	91551	5.57	POSSIBLY BUTYLGLYCOLACETATE
UNK567	91567	1560	CAPROLACTAM
UNK627	91627	7.52	AN AMIDE
UNK635	91635	6.05	A PHTHALATE
UNK637	91637	46.0	UNK
UNK642	91642	960	UNK
UNK657	91657	58.7	UNK
UNK666	91666	19.8	UNK
UNK667	91667	25.2	UNK
UNK668	91668	43.9	UNK
UNK675	91675	4690	UNK

PARAMETERS UNITS	STORET # METHOD	26083 T4CC 25	TENTATIVE ID
DATE		06/23/86	
TIME		14:52	
UNK517	91517	6.37	CYCLOPENTANONE
UNK530	91530	6.54	CYCLOHEXANONE
UNK532	91532	8.55	1,1,2,2-TETRACHLOROETHANE
UNK538	91538	10.1	UNK
UNK545	91545	6.37	ALIPHATIC HYDROCARBON
UNK546	91546	7.27	ALIPHATIC HYDROCARBON
UNK582	91582	23.3	N-PENTADECANE
UNK586	91586	17.6	ALIPHATIC HYDROCARBON
UNK588	91588	126	ALIPHATIC HYDROCARBON, N-HEXADECANE
UNK591	91591	73.6	ALIPHATIC HYDROCARBON
UNK592	91592	18.1	ALIPHATIC HYDROCARBON
UNK594	91594	280	N-HEPTADECANE, ALIPHATIC HYDROCARBON
UNK596	91596	37.2	ALIPHATIC HYDROCARBON
UNK597	91597	23.7	ALIPHATIC HYDROCARBON
UNK598	91598	8.60	ALIPHATIC HYDROCARBON
UNK600	91600	205	N-OCTADECANE, ALIPHATIC HYDROCARBON
UNK601	91601	8.57	ALIPHATIC HYDROCARBON
UNK602	91602	27.5	ALIPHATIC HYDROCARBON
UNK603	91603	53.0	ALIPHATIC HYDROCARBON
UNK605	91605	210	ALIPHATIC HYDROCARBON, N-NONADECANE
UNK607	91607	19.5	ALIPHATIC HYDROCARBON
UNK608	91608	28.1	ALIPHATIC HYDROCARBON
UNK610	91610	95.5	N-EICOSANE
UNK612	91612	20.0	ALKENE OR ALCOHOL
UNK614	91614	17.4	ALKENE OR ALCOHOL
UNK615	91615	32.2	N-HENEICOSANE
UNK621	91621	1080	ALKENE OR ALCOHOL, UNK
UNK635	91635	14.6	PHTHALATE AND HYDROCARBON
UNK642	91642	38.8	UNK
UNK646	91646	152	UNK
UNK659	91659	104	UNK
UNK663	91663	410	UNK
UNK668	91668	52.8	CHOLEST-3-ENE (c27h46)
UNK672	91672	14.6	UNK

PARAMETERS UNITS	STORET # METHOD	26084 T4CC 26	TENTATIVE ID
DATE		06/23/86	
TIME		13:57	
UNK056	91056	17.0	THF
UNK515	91515	13.2	TOLUENE
UNK517	91517	9.85	CYCLOPENTANONE
UNK562	91562	15.2	UNK
UNK575	91575	29.5	TETRADECANE
UNK576	91576	22.5	ALKENE OR ALCOHOL OR ACID
UNK578	91578	12.3	ALKENE OR ALCOHOL
UNK579	91579	19.3	ALIPHATIC HYDROCARBON
UNK582	91582	130	PENTADECANE
UNK585	91585	53.0	ALIPHATIC HYDROCARBON
UNK586	91586	47.8	ALIPHATIC HYDROCARBON
UNK588	91588	467	ALIPHATIC HYDROCARBON
UNK591	91591	128	ALIPHATIC HYDROCARBON
UNK592	91592	50.1	ALIPHATIC HYDROCARBON
UNK594	91594	843	HEPTADECANE, ALIPHATIC HYDROCARBON
UNK597	91597	56.5	ALIPHATIC HYDROCARBON
UNK598	91598	64.0	ALIPHATIC HYDROCARBON
UNK600	91600	726	OCTADECANE, ALIPHATIC HYDROCARBON
UNK602	91602	60.2	ALIPHATIC HYDROCARBON
UNK603	91603	123	ALIPHATIC HYDROCARBON
UNK605	91605	378	NONADECANE
UNK607	91607	18.3	ALIPHATIC HYDROCARBON
UNK608	91608	31.2	ALIPHATIC HYDROCARBON
UNK610	91610	227	EICOSANE
UNK612	91612	27.1	ALKENE OR ALCOHOL
UNK614	91614	33.6	ALIPHATIC HYDROCARBON
UNK615	91615	80.6	HENEICOSANE
UNK617	91617	25.2	ALIPHATIC HYDROCARBON
UNK620	91620	35.6	DOCOSANE
UNK623	91623	27.6	ALKENE OR ALCOHOL
UNK627	91627	14.6	ALKENE OR ALCOHOL
UNK642	91642	53.1	UNK
UNK662	91662	95.4	UNK
UNK674	91674	45.1	UNK

PARAMETERS UNITS	STORET # METHOD	26085 T4CC 27	TENTATIVE ID
DATE		06/26/86	
TIME		14:20	
UNK055	91055	5.60	NO MATCH
UNK553	91553	9.48	UNK
UNK558	91558	28.8	1,3-DITHIOLANE-2-THIONE
UNK560	91560	6.39	UNK
UNK561	91561	8.85	UNK
UNK566	91566	332	CAPROLACTAM
UNK573	91573	26.4	3,5-DIMETHYL-1,2,4-TRITHIOLANE
UNK574	91574	195	UNK
UNK578	91578	6.55	SULFUR COMPOUND
UNK581	91581	11.2	UNK
UNK582	91582	56.7	UNK
UNK585	91585	10.4	UNK
UNK589	91589	7.10	UNK
UNK608	91608	9.49	HEXADECANOIC ACID
UNK617	91617	24.2	ALKENE OR ALCOHOL
UNK624	91624	3940	UNK
UNK632	91632	11.2	PHTHALATE, BIS(2-ETHYLHEXYL)-PHTHALATE
UNK635	91635	26.0	PHTHALATE, BIS(2-ETHYLHEXYL)-PHTHALATE
UNK637	91637	47.2	UNK
UNK640	91640	10.2	PHTHALATE
UNK642	91642	245	UNK
UNK647	91647	14.1	UNK
UNK650	91650	8.71	PHTHALATE
UNK655	91655	9.27	PHTHALATE
UNK657	91657	19.9	UNK
UNK665	91665	972	UNK
UNK674	91674	1570	UNK
UNK685	91685	6.20	UNK

PARAMETERS UNITS	STORET # METHOD	26086 T4CC 28	TENTATIVE ID
DATE		06/24/86	
TIME		13:55	
UNK055	91055	167	THF
UNK517	91517	12.2	CYCLOPENTANONE
UNK518	91518	10.7	HEXANOL
UNK547	91547	14.7	UNK
UNK558	91558	9.66	1,3-DITHIOLANE-2-THIONE
UNK563	91563	56.0	UNK
UNK572	91572	104	UNK
UNK577	91577	92.9	UNK
UNK582	91582	74.6	PENTADECANE
UNK586	91586	38.0	ALIPHATIC HYDROCARBON, DODECANOIC ACID
UNK588	91588	368	HEXADECANE
UNK591	91591	132	ALIPHATIC HYDROCARBON
UNK592	91592	35.8	ALIPHATIC HYDROCARBON
UNK594	91594	563	HEPTADECANE
UNK596	91596	58.5	ALIPHATIC HYDROCARBON
UNK597	91597	36.2	ALIPHATIC HYDROCARBON
UNK598	91598	113	ALIPHATIC HYDROCARBON, TETRADECANOIC ACID
UNK600	91600	581	OCTADECANE, ALIPHATIC HYDRO-CARBON
UNK602	91602	59.7	ALIPHATIC HYDROCARBON
UNK603	91603	115	ALIPHATIC HYDROCARBON
UNK605	91605	369	ALIPHATIC HYDROCARBON, NONADECANE
UNK608	91608	358	ALKENE OR ALCOHOL
UNK610	91610	213	EICOSANE
UNK612	91612	16.8	ALKENE OR ALCOHOL
UNK614	91614	81.5	ALKENE OR ALCOHOL
UNK615	91615	91.1	HENEICOSANE
UNK618	91618	1430	ALKENE OR ALCOHOL
UNK619	91619	97.1	OCTADECANOIC ACID, ALKENE
UNK620	91620	53.0	DOCOSANE
UNK628	91628	18.8	ALKENE OR ALCOHOL
UNK632	91632	35.3	PHTHALATE
UNK635	91635	64.7	PHTHALATE
UNK640	91640	57.5	PHTHALATE
UNK641	91641	12.9	ALKENE
UNK642	91642	117	UNK
UNK643	91643	55.8	PHTHALATE
UNK650	91650	28.6	PHTHALATE
UNK651	91651	10.1	PHTHALATE
UNK655	91655	69.9	PHTHALATE
UNK671	91671	9.67	OIL, C15 TO C30

PARAMETERS UNITS	STORET # METHOD	26127 T4CC 29	TENTATIVE ID
DATE		06/26/86	
TIME		12:58	
UNK056	91056	7.43	THF
UNK129	91129	124	1,4-DITHIANE
UNK517	91517	8.90	CYCLOPENTANONE
UNK558	91558	7.32	POSSIBLY 1,3-DITHIOLANE-2-THIONE
UNK563	91563	25.2	UNK
UNK573	91573	9.57	3,5-DIMETHYL-1,2,4-TRITHIOLANE
UNK574	91574	12.5	UNK
UNK575	91575	16.8	N-TETRADECANE
UNK578	91578	10.0	ALKENE OR ALCOHOL
UNK579	91579	13.7	ALKANE
UNK582	91582	82.4	N-PENTADECANE, UNK
UNK585	91585	45.2	ALIPHATIC HYDROCARBON, ALKENE OR ALCOHOL
UNK586	91586	31.8	ALKANE, ALKENE
UNK587	91587	15.0	ALKENE
UNK588	91588	275	ALKANE
UNK591	91591	119	ALKANE, 2,6,10-TRIMETHYL-PENTADECANE, ALKENE
UNK592	91592	27.0	ALIPHATIC HYDROCARBON
UNK594	91594	412	N-HEPTADECANE, 2,6,10-TETRA-METHYLPENTANONE
UNK596	91596	43.4	ALKANE OR ALKENE
UNK597	91597	37.0	ALKENE
UNK598	91598	9.22	ALKENE
UNK600	91600	297	N-OCTADECANE, 2,6,10,14-TETRA-METHYLHEXADECANOIC ACID
UNK602	91602	19.9	ALKANE
UNK603	91603	57.9	ALKENE OR ALCOHOL
UNK605	91605	208	ALKANE
UNK608	91608	14.8	ALKENE OR ALCOHOL
UNK610	91610	85.3	ALKENE
UNK614	91614	18.0	ALKENE
UNK615	91615	28.3	ALKENE
UNK621	91621	17.8	ALKENE
UNK627	91627	9.27	ALKENE OR ALCOHOL
UNK628	91628	13.0	ALKENE OR ALCOHOL
UNK642	91642	33.5	UNK
UNK663	91663	314	UNK

PARAMETERS	STORET #	26127 T4CC2	TENTATIVE ID
UNITS	METHOD	26	
DATE		09/29/86	
TIME		10:20	
UNK055	91055	*BK0	UNK
UNK089	91089	*OK5.50	CYCLOPENTANONE
UNK129	91129	*OK6.40	NO MATCH
UNK174	91174	*BK0	UNK
UNK563	91563	14.2	UNK
UNK573	91573	7.13	SULFER CONTAINING COMPOUND
UNK574	91574	11.0	POSSIBLY METHOXY BENZALDEHYDE
UNK582	91582	7.27	UNK
UNK642	91642	16.9	UNK

PARAMETERS UNITS	STORET # METHOD	26128 T4CC 30	TENTATIVE ID
DATE	06/24/86		
TIME	13:34		
UNK055	91055	2180	THF
UNK059	91059	8.30	THF
UNK129	91129	30.5	NO MATCH
UNK563	91563	17.3	UNK
UNK573	91573	7.22	3,5-DIMETHYL-1,2,4-TRITHIOLANE
UNK574	91574	15.9	UNK
UNK582	91582	7.08	UNK
UNK608	91608	644	MOLECULAR SULFUR (S8)
UNK617	91617	7.40	UNSATURATED ACID
UNK626	91626	12.2	UNK
UNK627	91627	6.35	UNK
UNK630	91630	25.7	BENZAMINE, 4-(METHYL-SULFOXYL)- 2,6-DINITRO-N,N-DIPROPYL- PHTHALATE
UNK632	91632	10.5	PHTHALATE
UNK635	91635	31.5	PHTHALATE, BIS(2-ETHYLHEXYL)- PHTHALATE
UNK637	91637	14.0	UNK
UNK639	91639	6.93	UNK
UNK640	91640	22.9	PHTHALATE
UNK642	91642	73.9	UNK
UNK643	91643	33.9	PHTHALATE
UNK650	91650	14.7	PHTHALATE
UNK651	91651	6.23	PHTHALATE
UNK655	91655	33.0	PHTHALATE
UNK671	91671	11.0	PHTHALATE

PARAMETERS UNITS	STORET # METHOD	26133 T4CC 31	TENTATIVE ID
DATE		06/27/86	
TIME		09:06	
UNK162	91162	567	NOT FOUND
UNK515	91515	366	TOLUENE
UNK519	91519	351	TETRACHLOROETHENE
UNK523	91523	154	POSSILBY 4-HYDROXY-4-METHYL-2-PENTANONE
UNK527	91527	53.9	XYLENE
UNK528	91528	318	DMMP
UNK530	91530	46.4	XYLENE
UNK535	91535	56.7	UNK
UNK536	91536	32.2	UNK
UNK539	91539	84.2	TRICYCLO(2,2,1.02,6)-HEPTAN-3-OL
UNK540	91540	29.5	TRIMETHYL ESTER OF PHOSPHORO-THIOIC ACID
UNK541	91541	41.8	UNK
UNK544	91544	22.5	UNK
UNK548	91548	168	UNK
UNK551	91551	125	UNK
UNK552	91552	54.3	UNK
UNK553	91553	114	UNK
UNK554	91554	57.7	UNK
UNK555	91555	178	UNK
UNK558	91558	117	UNK
UNK559	91559	40.9	UNK
UNK562	91562	74.9	HEXACHLOROBUTADIENE
UNK563	91563	27.3	POSSIBLY N,N'-BIS(1-METHYL-ETHYL)-UREA
UNK565	91565	106	CAPROLACTAM
UNK568	91568	26.5	CPMS ISOMER
UNK570	91570	43.1	UNK
UNK571	91571	75.8	UNK
UNK572	91572	24.0	UNK
UNK573	91573	172	UNK
UNK575	91575	27.0	METHYLSULFOXYLBENZENE
UNK576	91576	44.6	2,3-DICHLORO-2-METHYLBENZYL ALCOHOL
UNK577	91577	74.2	UNK
UNK579	91579	434	UNK
UNK580	91580	204	UNK
UNK584	91584	54.8	UNK
UNK589	91589	38.6	UNK
UNK591	91591	37.2	HEPTACHLOROBICYCLOHEPT-2-ENE
UNK602	91602	63.2	UNK
UNK605	91605	34.5	UNK
UNK606	91606	35.3	UNK
UNK608	91608	114	UNK
UNK609	91609	26.8	UNK
UNK642	91642	96.8	UNK
UNK672	91672	257	UNK

UNK694	91694	113	UNK

PARAMETERS UNITS	STORET # METHOD	26133 T4CC2 27	TENTATIVE ID
DATE	09/19/86		
TIME	12:07		
UNK514	91514	173	TOLUENE
UNK518	91518	215	TETRACHLOROETHANE
UNK523	91523	59.9	4-HYDROXY-4-METHYL-2-PENTANONE
UNK526	91526	25.7	XYLENE
UNK528	91528	148	DMMP
UNK529	91529	28.0	XYLENE
UNK535	91535	23.4	POSSIBLY A BICYCLIC COMPOUND
UNK539	91539	35.9	POSSIBLY TRICYCLO(2,2,102,6]- HEPTAN-3-OL (c7h10o)
UNK540	91540	34.9	UNK
UNK547	91547	86.4	UNK
UNK551	91551	48.9	UNK
UNK552	91552	37.5	UNK
UNK553	91553	78.7	UNK
UNK554	91554	24.4	UNK
UNK555	91555	94.1	UNK
UNK557	91557	37.8	UNK
UNK558	91558	49.3	UNK
UNK562	91562	92.2	HEXACHLOROBUTADIENE
UNK563	91563	25.0	UNK
UNK565	91565	142	CAPROLACTAM
UNK569	91569	33.9	UNK
UNK570	91570	57.9	UNK
UNK571	91571	30.7	UNK
UNK573	91573	110	UNK
UNK577	91577	54.1	UNK
UNK579	91579	318	UNK
UNK580	91580	97.6	UNK
UNK582	91582	21.6	UNK
UNK584	91584	75.3	UNK
UNK587	91587	118	UNK
UNK589	91589	38.9	UNK
UNK591	91591	78.4	1,2,3,4,5,7,7-HEPTACHLORO- BICYCLO(2,2,1]HEPT-2-ENE
UNK596	91596	29.9	TETRACHLORINATED COMPOUND
UNK602	91602	27.3	UNK
UNK606	91606	88.3	UNK
UNK608	91608	76.6	UNK
UNK609	91609	30.1	POSSIBLY METHYLESTER OF DIHYDROXYBENZOIC ACID
UNK610	91610	28.7	UNK
UNK614	91614	203	MOLECULAR SULFUR (S8)
UNK621	91621	27.4	UNK
UNK642	91642	119	UNK
UNK653	91653	724	UNK
UNK670	91670	188	UNK
UNK692	91692	155	UNK

PARAMETERS UNITS	STORET # METHOD	26140 T4CC 32	TENTATIVE ID
DATE	06/24/86		
TIME	08:52		
UNK055	91055	126	THF
UNK129	91129	5.33	NO MATCH
UNK532	91532	7.04	1,1,2,2-TETRACHLOROETHANE
UNK631	91631	13.0	PHTHALATE
UNK632	91632	42.6	PHTHALATE
UNK635	91635	112	BIS(2-ETHYLHEXYL)PHTHALATE, PHTHALATE
UNK637	91637	19.8	PHTHALATE
UNK638	91638	11.5	PHTHALATE
UNK640	91640	92.6	PHTHALATE
UNK642	91642	42.5	UNK
UNK643	91643	249	PHTHALATE
UNK646	91646	17.2	PHTHALATE
UNK647	91647	8.79	PHTHALATE
UNK648	91648	12.4	PHTHALATE
UNK650	91650	72.9	PHTHALATE
UNK651	91651	29.2	PHTHALATE
UNK655	91655	149	PHTHALATE
UNK663	91663	16.2	PHTHALATE
UNK664	91664	18.1	PHTHALATE
UNK671	91671	44.5	PHTHALATE

PARAMETERS	STORET #	26142 T4CC2	TENTATIVE ID
UNITS	METHOD	28	
DATE		09/24/86	
TIME		07:48	
UNK037	91037	12.5	NO MATCH
UNK055	91055	172	THF
UNK566	91566	408	*
UNK618	91618	21.5	*
UNK622	91622	229	
UNK637	91637	6.84	
UNK638	91638	97.[illegible]	
UNK642	91642	892	
UNK672	91672	4770	
UNK694	91694	3830	

PARAMETERS UNITS	STORET # METHOD	27016 T4CC2 29	TENTATIVE ID
DATE		09/26/86	
TIME		08:22	
UNK582	91582	11.9	
UNK585	91585	7.49	
UNK627	91627	7.63	
UNK642	91642	6.89	
UNK651	91651	907	

PARAMETERS UNITS	STORET # METHOD	27040 T4CC 33	TENTATIVE ID
DATE		06/19/86	
TIME		09:15	
UNK055	91055	334	THF
UNK064	91064	75.4	NO MATCH
UNK517	91517	17.2	CYCLOPENTANONE
UNK532	91532	10.8	1,1,2,2-TETRACHLOROETHANE
UNK558	91558	7.58	SULFUR COMPOUND
UNK562	91562	14.1	UNK
UNK573	91573	6.60	UNK
UNK576	91576	18.6	UNK
UNK582	91582	17.1	UNK
UNK585	91585	38.2	UNK
UNK588	91588	10.0	POSSIBLY TETRADECANOL
UNK591	91591	10.1	2,6,10-TRIMETHYLPENTADECANE
UNK594	91594	35.2	2,6,10,14-TETRAMETHYLPENTA-DECANE, HEPTADECANE
UNK600	91600	16.1	2,6,10,14-TETRAMETHYLHEXADECANE
UNK605	91605	16.4	NONADECANE
UNK627	91627	22.4	UNK
UNK642	91642	7.62	UNK

		27053	
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	30	
DATE	09/19/86		
TIME	08:52		
UNK565	91565	362	CAPROLACTAM
UNK642	91642	585	UNK
UNK671	91671	2050	UNK
UNK693	91693	1390	UNK

PARAMETERS UNITS	STORET # METHOD	27062 T4CC 34	TENTATIVE ID
DATE		06/12/86	
TIME		10:52	
UNK517	91517	71.4	DEHYDROPYRAN
UNK532	91532	67.1	1,1,2,2-TETRACHLOROETHANE
UNK585	91585	156	UNK
UNK591	91591	85.0	2,6,10-TRIMETHYLPENTADECANE
UNK594	91594	219	2,6,10,14-TETRAMETHYLPENTA-DECANE
UNK600	91600	187	2,6,10,14-TETRAMETHYLHEXA-DECANE
UNK604	91604	81.2	C19 ALKANE OR ALKENE
UNK614	91614	52.8	C21 ALKENE
UNK627	91627	114	POSSIBLY CHLORINATED COMPOUND (5 cl)
UNK650	91650	358	UNK
UNK664	91664	81.9	UNK

PARAMETERS UNITS	STORET # METHOD	28025 T4CC 35	TENTATIVE ID
DATE		06/19/86	
TIME		14:35	
UNK037	91037	4.80	NO MATCH
UNK056	91056	18.0	THF
UNK517	91517	5.38	CYCLOPENTANONE
UNK586	91586	6.48	DODECANOIC ACID
UNK598	91598	11.2	TETRADECANOIC ACID
UNK608	91608	15.5	HEXADECANOIC ACID
UNK617	91617	98.6	OCTADECANOIC ACID
UNK627	91627	50.1	OCTADECENAMIDE
UNK628	91628	19.8	OCTADECANAMIDE
UNK642	91642	251	UNK
UNK644	91644	13.0	UNK
UNK645	91645	36.8	UNK
UNK656	91656	6.78	UNK
UNK657	91657	67.9	UNK
UNK675	91675	105	UNK

PARAMETERS	STORET #	33026 T4WC2	TENTATIVE ID
UNITS	METHOD	2	
DATE		08/28/86	
TIME		13:53	
UNK534	91534	8.63	2-CYCLOHEXEN-1-ONE
UNK582	91582	7.09	ALIPHATIC HYDROCARBON
UNK591	91591	7.49	ALIPHATIC HYDROCARBON
UNK594	91594	30.8	N-HEPTADECANE
UNK595	91595	13.0	ALIPHATIC HYDROCARBON
UNK600	91600	28.3	N-OCTADECANE
UNK601	91601	9.67	2,6,10,14-TETRAMETHYLHEXA-DECANE
UNK605	91605	21.5	N-NONADECANE
UNK611	91611	10.9	N-EICOSANE
UNK636	91636	25.4	BIS(2-ETHYLHEXYL)PHTHALATE

PARAMETERS	STORET #	33030 T4WC2	TENTATIVE ID
UNITS	METHOD	3	
DATE		09/04/86	
TIME		09:40	
UNK632	91632	9.17	UNK
UNK633	91633	8.62	UNK
UNK653	91653	419	UNK

PARAMETERS UNITS	STORET # METHOD	35012 T4CC 36	TENTATIVE ID
DATE		06/11/86	
TIME		16:18	
UNK080	91080	27.4	THIOPHENE
UNK129	91129	133	1,4-DITHIANE
UNK524	91524	40.1	CHLOROBENZENE
UNK540	91540	31.1	1,3-DITHIOLANE
UNK541	91541	8.65	UNK
UNK558	91558	9.03	SULFUR COMPOUND
UNK563	91563	63.8	UNK
UNK573	91573	50.1	3,5-DIMETHYL-1,2,4-TRITHIOLANE
UNK575	91575	17.7	N-TETRADECANE
UNK578	91578	20.9	UNK
UNK579	91579	13.5	C15 ALKANE
UNK582	91582	90.0	N-PENTADECANE
UNK585	91585	9.88	C16 ALKANE
UNK586	91586	17.5	C16 ALKENE
UNK587	91587	19.6	C16 ALKENE OR ALKYNE
UNK588	91588	265	N-HEXADECANE
UNK591	91591	89.0	2,6,10-TRIMETHYLPENTADECANE
UNK592	91592	14.2	C17 ALKENE
UNK594	91594	437	N-HEPTADECANE
UNK596	91596	33.1	C18 ALKANE
UNK597	91597	25.1	C18 ALKENE
UNK598	91598	9.35	C18 ALKENE
UNK600	91600	452	N-OCTADECANE, 2,6,10,14-TETRA-METHYLHEXADECANE
UNK602	91602	15.0	C19 ALKENE
UNK603	91603	40.3	C19 ALKENE
UNK605	91605	193	N-NONADECANE
UNK608	91608	8.87	C20 ALKENE
UNK610	91610	115	N-EICOSANE
UNK614	91614	8.26	C21 ALKENE
UNK615	91615	25.9	N-HENEICOSANE
UNK617	91617	12.1	C22 ALKENE
UNK620	91620	11.5	N-DOCOSANE, C22 ALKENE
UNK642	91642	90.7	UNK
UNK649	91649	240	UNK

PARAMETERS UNITS	STORET # METHOD	35013 T4CC 37	TENTATIVE ID
DATE		06/12/86	
TIME		14:21	
UNK037	91037	2.90	NO MATCH
UNK048	91048	10.8	1,2-DICHLOROETHANE
UNK055	91055	2.80	TETRAHYDROFURAN
UNK575	91575	5.48	N-TETRADECANE
UNK57o	91579	6.32	C15 ALKANE
UNK582	91582	20.3	N-PENTADECANE
UNK583	91583	8.59	BIPHENYL-OL
UNK585	91585	7.08	C16 ALKENE
UNK586	91586	5.92	C16 ALKENE
UNK587	91587	7.24	C16 ALKENE
UNK588	91588	24.0	N-HEXADECANE
UNK591	91591	46.1	C17 ALKANE,2,6,10-TRIMETHYL-PENTADECANE
UNK594	91594	120	N-HEPTADECANE, 2,6,10,14-TETRA-METHYLPENTADECANE
UNK596	91596	19.0	C18 ALKANE
UNK597	91597	15.5	C17 OR C18 ALKENE
UNK599	91599	95.0	N-OCTADECANE
UNK600	91600	46.4	2,6,10,14-TETRAMETHYLHEXA-DECANE
UNK601	91601	5.80	C19 ALKENE
UNK602	91602	16.4	C19 ALKENE
UNK603	91603	17.2	C18 , C19 ALKENE
UNK604	91604	16.2	C17 ALKENE
UNK605	91605	60.8	N-NONADECANE
UNK610	91610	34.1	N-EICOSANE
UNK614	91614	16.8	C20 OR C21 ALKENE
UNK615	91615	10.4	N-HENEICOSANE
UNK616	91616	8.05	C21 ALKENE
UNK617	91617	7.98	C21 ALKENE
UNK621	91621	9.39	C22 OR C23 ALKENE OR ALKANE
UNK642	91642	8.29	UNK
UNK649	91649	134	UNK
UNK670	91670	368	UNK

PARAMETERS	STORET #	35037 T4CC2	TENTATIVE ID
UNITS	METHOD	32	
DATE		09/05/86	
TIME		12:30	
UNK515	91515	15.7	1,1,2-TRICHLOROETHANE
UNK531	91531	22.8	1,1,2,2-TETRACHLOROETHANE
UNK564	91564	302	CAPROLACTAM
UNK638	91638	6.71	UNK
UNK642	91642	298	UNK
UNK653	91653	431	UNK
UNK671	91671	1480	UNK
UNK693	91693	928	UNK

PARAMETERS	STORET #	35038 T4CC2	TENTATIVE ID
UNITS	METHOD	33	
DATE		09/05/86	
TIME		13:31	
UNK057	91057	116	THF
UNK589	91589	601	HEXADECANE
UNK652	91652	65.7	UNK

PARAMETERS UNITS	STORET # METHOD	35052 T4CC 38	TENTATIVE ID
DATE	06/25/86		
TIME	12:01		
UNK036	91036	5.20	NO MATCH
UNK064	91064	22.4	FREON
UNK123	91123	7.20	NO MATCH
UNK532	91532	10.4	1,1,2,2-TETRACHLOROETHANE
UNK557	91557	7.88	UNK
UNK560	91560	6.93	UNK
UNK562	91562	6.35	UNK
UNK565	91565	7.28	UNK
UNK567	91567	13.1	UNK
UNK570	91570	44.4	POSSIBLY ALPHA-METHYLBENZYL-AMINE
UNK571	91571	6.76	UNK
UNK575	91575	9.48	POSSIBLY N,N-DIMETHYLBENZYL-AMINE
UNK576	91576	6.76	UNK
UNK583	91583	7.39	UNK
UNK585	91585	6.51	UNK
UNK592	91592	6.66	UNK
UNK593	91593	13.1	UNK
UNK608	91608	6.02	HEXADECANOIC ACID
UNK617	91617	13.1	OCTADECENOIC ACID
UNK628	91628	12.1	OCTADECANAMIDE
UNK635	91635	6.05	BIS(2-ETHYLHEXYL)PHTHALATE
UNK642	91642	60.3	UNK
UNK645	91645	7.32	UNK
UNK660	91660	90.2	UNK
UNK674	91674	29.9	UNK

PARAMETERS UNITS	STORET # METHOD	35058 T4CC2 34	TENTATIVE ID
DATE		09/08/86	
TIME		10:18	
UNK564	91564	44.7	CAPROLACTAM
UNK642	91642	64.2	UNK
UNK671	91671	122	UNK
UNK693	91693	51.3	UNK

PARAMETERS UNITS	STORET # METHOD	35065 T4CC 39	TENTATIVE ID
DATE		06/30/86	
TIME		09:48	
UNK519	91519	14.3	TETRACHLOROETHANE
UNK524	91524	8.46	CHLOROBENZENE
UNK525	91525	9.62	HEPTANONE
UNK541	91541	19.2	UNK
UNK553	91553	7.95	POSSIBLY 2,4-IMIDAZOLIDINE-DIONE
UNK555	91555	12.0	UNK
UNK558	91558	26.8	1,3-DITHIOLANE-2-THIONE
UNK560	91560	6.63	UNK
UNK564	91564	1200	CAPROLACTAM
UNK566	91566	20.6	UNK
UNK568	91568	21.9	UNK
UNK570	91570	10.5	UNK
UNK572	91572	15.3	N,N-DIBUTYLACETAMIDE
UNK573	91573	89.8	UNK
UNK574	91574	19.5	UNK
UNK575	91575	17.2	METHYLSULFOXYLBENZENE
UNK578	91578	89.1	SULFUR COMPOUND
UNK579	91579	63.1	ISOPROPYLBENZYALDEHYDE
UNK580	91580	43.6	UNK
UNK581	91581	7.59	UNK
UNK582	91582	68.5	UNK
UNK583	91583	9.73	UNK
UNK585	91585	207	UNK
UNK586	91586	36.7	UNK
UNK589	91589	99.8	PROPANOIC ACID, 2-METHYL-1-BUTYL-2-ONE
UNK594	91594	8.90	UNK
UNK595	91595	8.05	UNK
UNK596	91596	8.03	UNK
UNK597	91597	7.84	UNK
UNK603	91603	6.38	UNK
UNK620	91620	7.25	BUTYLHEXADECANOATE
UNK627	91627	6.67	UNK
UNK628	91628	7.67	BUTYL OCTADECANOATE
UNK635	91635	23.1	BIS(2-ETHYLHEXYL)PHTHALATE
UNK642	91642	30.0	UNK
UNK672	91672	103	UNK
UNK694	91694	54.3	UNK

PARAMETERS	STORET #	35065 T4CC2	TENTATIVE ID
UNITS	METHOD	36	
DATE		09/08/86	
TIME		11:17	
UNK055	91055	*OK21.8	THF
UNK541	91541	6.70	UNK
UNK564	91564	400	UNK
UNK565	91565	89.0	CAPROLACTAM
UNK573	91573	34.7	UNK
UNK578	91578	45.2	UNK
UNK580	91580	18.8	UNK
UNK581	91581	7.46	UNK
UNK582	91582	27.8	UNK
UNK585	91585	60.5	UNK
UNK642	91642	104	UNK
UNK672	91672	712	UNK
UNK693	91693	482	UNK

PARAMETERS UNITS	STORET # METHOD	36001 T4CC 40	TENTATIVE ID
DATE		06/23/86	
TIME		14:09	
UNK122	91122	1680	3 METHYLHEXANE
UNK161	91161	547	METHYLETHYL BENZENE
UNK193	91193	55400	DICHLOROBENZENE
UNK513	91513	2740	HEXANONE
UNK514	91514	44.8	HEXANOL
UNK515	91515	348	TOLUENE
UNK519	91519	90.2	TETRACHLOROETHANE
UNK525	91525	7900	CHLOROBENZENE
UNK527	91527	488	XYLENE
UNK528	91528	1060	XYLENE
UNK529	91529	35.9	2,2,2-TRICHLOROETHANOL
UNK530	91530	802	XYLENE
UNK534	91534	108	ISOPROPYLBENZENE
UNK535	91535	35.5	1,1-BIS(METHYLTHIO)ETHANE
UNK537	91537	26.9	PROPYLBENZENE
UNK538	91538	41.6	ETHYL,METHYL BENZENE
UNK539	91539	26.2	TRIMETHYLBENZENE, POSSIBLY DIMETHYLHEPTANONE
UNK540	91540	25.3	POSSIBLY METHYLTHIO-1-BUTANONE
UNK544	91544	3030	DICHLOROBENZENE
UNK547	91547	2620	DICHLOROBENZENE
UNK549	91549	142	AACETOPHENONE, UNK
UNK554	91554	20.5	UNK
UNK555	91555	18.5	UNK
UNK559	91559	249	TRICHLOROBENZENE, NAPTHALENE
UNK562	91562	85.3	TRICHLOROBENZENE, HEXACHLORO-BUTADIENE
UNK563	91563	12.2	UNK
UNK565	91565	37.1	CAPROLACTAM
UNK570	91570	12.6	UNK
UNK572	91572	13.5	UNK
UNK573	91573	105	UNK
UNK574	91574	19.3	TETRACHLOROBENZENE
UNK576	91576	17.4	DIPHENYL ETHER
UNK580	91580	14.1	UNK
UNK581	91581	114	HEXACHLOROBICYCLO(2,2,1) HEPTA-2-ONE
UNK588	91588	31.9	HEXADECANE
UNK589	91589	173	UNK
UNK591	91591	51.1	HEPTACHLORO-BICYCLO(2,2,1] HEPTANE
UNK594	91594	50.6	HEPTADECANE, 2,6,10,14-TETRA-METHYLPENTADECANE
UNK600	91600	19.1	2,6,10,14-TETRAMETHYLHEXA-DECANE
UNK605	91605	30.8	NONADECANE
UNK610	91610	19.3	EICOSANE
UNK627	91627	13.0	HEXACHLORO COMPOUND

UNK632	91632	26.3	CHLORINATED COMPOUND
UNK635	91635	13.5	BIS(2-ETHYLHEXYL)PHTHALATE

	36065		
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	37	
DATE	09/26/86		
TIME	11:41		
UNK055	91055	*OK39.7	UNK
UNK089	91089	*BK0	
UNK129	91129	*BK0	
UNK174	91174	*BK0	

PARAMETERS UNITS	STORET # METHOD	36076 T4CC 41	TENTATIVE ID
DATE		06/25/86	
TIME		14:24	
UNK193	91193	153000	DICHLOROBENZENE
UNK513	91513	20.3	4-METHYL-2-PENTANONE
UNK525	91525	6320	CHLOROBENZENE
UNK530	91530	11.3	UNK
UNK540	91540	8.77	BICYCLO[2,2,1]HEPT-2-EN-7-OL
UNK544	91544	6490	DICHLROBENZENE
UNK547	91547	5840	1,2-DICHLOROBENZENE
UNK548	91548	9.10	UNK
UNK549	91549	22.2	ACETOPHENONE
UNK550	91550	14.3	N-NITROSODIPROPYLAMINE
UNK553	91553	11.1	UNK
UNK558	91558	12.6	N-HEXYLACETAMIDE
UNK559	91559	145	TRICHLOROBENZENE, TRICHLORO-CYCLOPENTANE
UNK560	91560	11.9	M-MENTHA-4,8-DIENE
UNK562	91562	35.0	TRICHLOROBENZENE
UNK566	91566	675	CAPROLACTAM
UNK569	91569	25.9	UNK
UNK570	91570	8.29	UNK
UNK573	91573	21.1	3,5-DIMETHYL-1,2,4-TRITHIOLANE
UNK575	91575	8.63	METHYLSULFOXYL BENZENE
UNK576	91576	8.71	DIPHENYL ETHER
UNK578	91578	8.76	UNK
UNK581	91581	11.4	UNK
UNK582	91582	9.51	1-(4-HYDROXY-3-METHOXYPHENYL)-ETHANONE
UNK586	91586	16.2	TETRACHLOROPHENOL
UNK598	91598	65.1	PENTACHLOROPHENOL
UNK607	91607	12.1	A CHLORO-METHYLSULFOXYLAMIDE
UNK608	91608	14.8	HEXADECANOIC ACID
UNK610	91610	10.5	TRICHLORO COMPOUND
UNK617	91617	9.52	OCTADECANOIC ACID
UNK619	91619	34.6	PENTACHLORO COMPOUND
UNK624	91624	288	UNK
UNK627	91627	151	AN AMIDE
UNK642	91642	80.8	UNK
UNK657	91657	12.3	UNK
UNK666	91666	8.84	UNK
UNK668	91668	10.2	UNK
UNK674	91674	943	UNK

PARAMETERS UNITS	STORET # METHOD	36082 T4CC 42	TENTATIVE ID
DATE		06/27/86	
TIME		10:02	
UNK530	91530	5.95	XYLENE
UNK539	91539	11.8	1,3-DITHIOLANE
UNK542	91542	16.7	UNK
UNK552	91552	5.91	UNK
UNK555	91555	15.9	UNK
UNK557	91557	11.9	1,3-DITHIOLANE-2-THIONE
UNK563	91563	1010	UNK
UNK570	91570	11.9	UNK
UNK572	91572	11.3	UNK
UNK573	91573	99.5	UNK
UNK574	91574	69.8	UNK
UNK578	91578	84.2	UNK
UNK580	91580	8.47	UNK
UNK581	91581	15.0	UNK
UNK582	91582	37.8	UNK
UNK596	91596	7.86	POSSIBLY AZIDOBENZENE OR HYDROXY BENZENE
UNK597	91597	8.32	UNK
UNK603	91603	6.06	UNK
UNK606	91606	6.95	UNK
UNK608	91608	7.09	HEXADECANOIC ACID
UNK609	91609	26.5	UNK
UNK620	91620	5.80	BUTYL OCTADECANOATE
UNK628	91628	7.85	DODECANAMIDE
UNK642	91642	8.20	UNK

PARAMETERS UNITS	STORET # METHOD	36082 T4CC2 39	TENTATIVE ID
DATE		09/26/86	
TIME		10:45	
UNK055	91055	*BK0	
UNK089	91089	*BK0	
UNK129	91129	*BK0	
UNK174	91174	*OK7.70	XYLENE
UNK539	91539	7.61	*
UNK541	91541	13.2	
UNK554	91554	10.7	
UNK557	91557	9.03	
UNK565	91565	768	
UNK566	91566	5.79	
UNK570	91570	5.74	
UNK573	91573	102	
UNK574	91574	31.1	
UNK578	91578	155	
UNK580	91580	7.91	
UNK581	91581	18.5	
UNK582	91582	41.3	
UNK585	91585	36.7	
UNK597	91597	18.8	
UNK603	91603	7.52	*
UNK604	91604	6.75	
UNK607	91607	12.1	
UNK609	91609	32.6	

PARAMETERS UNITS	STORET # METHOD	36112 T4CC 43	TENTATIVE ID
DATE		06/30/86	
TIME		08:52	
UNK049	91049	4.30	NO MATCH
UNK080	91080	58.5	THIOPHENE
UNK129	91129	240	NO MATCH
UNK532	91532	6.42	1,1,2,2-TETRACHLOROETHANE
UNK539	91539	13.2	1,3-DIOTHIOLANE
UNK540	91540	35.8	UNK
UNK547	91547	13.4	UNK
UNK550	91550	7.87	1,3,6-DIOXATHIOLANE
UNK552	91552	17.4	UNK
UNK554	91554	6.81	UNK
UNK557	91557	16.2	1,3-DITHIOLANE-2-THIONE
UNK563	91563	170	UNK
UNK564	91564	13.6	CAPROLACTAM
UNK573	91573	70.8	3,5-DIMETHYL-1,2,4-TRITHIONE
UNK577	91577	27.3	UNK
UNK580	91580	6.17	UNK
UNK582	91582	23.0	UNK
UNK586	91586	49.2	DODECANOIC ACID
UNK588	91588	22.6	N-HEXADECANE
UNK591	91591	10.1	ALKANE
UNK594	91594	37.8	N-HEPTADECANE
UNK595	91595	13.7	2,6,10,14-TETRAMETHYLPENTA-DECANE
UNK597	91597	6.97	ALIPHATIC HYDROCARBON
UNK598	91598	18.6	TETRADECANOIC ACID, ALKENE OR ALCOHOL
UNK600	91600	34.3	N-OCTADECANE
UNK601	91601	13.9	2,6,10,14-TETRAMETHYLHEXADECANE
UNK605	91605	28.9	N-NONADECANE
UNK608	91608	11.2	HEXADECANOIC ACID
UNK611	91611	17.6	N-EICOSANE
UNK614	91614	21.9	MOLECULAR SULFUR (S8)
UNK615	91615	7.28	N-HENEICOSANE
UNK617	91617	54.5	ALCOHOL, OCTADECANOIC ACID
UNK620	91620	10.2	ACID OR ALCOHOL
UNK628	91628	10.3	POSSIBLY OCTADECANETHOIL
UNK632	91632	11.0	DIHEPTYLPHTHALATE
UNK635	91635	30.1	PHTHALATE, BIS(2-ETHYLHEXYL)-PHTHALATE
UNK640	91640	15.2	PHTHALATE
UNK642	91642	13.9	UNK
UNK649	91649	11.9	PHTHALATE
UNK654	91654	28.1	PHTHALATE
UNK669	91669	8.85	PHTHALATE

TASK 44 GC/MS NONTARGET DATA 3RD QUARTER FY1987

PARAMETERS UNITS	STORET # METHOD	01008 T44GMS3 1	TENTATIVE ID
DATE		05/05/87	
TIME		10:13	
UNK565 UG/L	91565 0	350	CAPROLACTAM
UNK588 UG/L	91588 0	9	2-METHYL, 1-(1,1-DIMETHYLETHYL)- 2-METHYL-1,3-PROPANEDIYL PROPIONATE

PARAMETERS UNITS	STORET # METHOD	02008 T44GMS3 2	TENTATIVE ID
DATE		05/05/87	
TIME		13:19	
UNK588 UG/L	91588 0	7	2-METHYL, 1-(1,1-DIMETHYLETHYL)- 2-METHYL-1,3-PROPANEDIYL PROPIONATE

PARAMETERS UNITS	STORET # METHOD	04009 T44GMS3 3	TENTATIVE ID
DATE		05/06/87	
TIME		07:36	
UNK525	91525	15.5	ETHYLBENZENE
UG/L	0		
UNK526	91526	76.4	XYLENE
UG/L	0		
UNK529	91529	35.6	XYLENE (ISOMER OF UNK 526)
UG/L	0		
UNK536	91536	27.1	PROPYLBENZENE
UG/L	0		
UNK537	91537	100	ETHYL, METHYL BENZENE
UG/L	0		
UNK538	91538	48.1	TRIMETHYL BENZENE
UG/L	0		
UNK539	91539	28.3	ETHYL, METHYL BENZENE
UG/L	0		
UNK541	91541	136	TRIMETHYL BENZENE
UG/L	0		
UNK544	91544	39.7	TRIMETHYL BENZENE
UG/L	0		
UNK545	91545	172	ETHYLHEXANOL
UG/L	0		
UNK546	91546	14.0	DIETHYLBENZENE
UG/L	0		
UNK547	91547	98.6	METHYLPROPYL BENZENE,
UG/L	0		ETHYL DIMETHYL BENZENE
UNK548	91548	14.4	METHYL PROPYL BENZENE
UG/L	0		
UNK549	91549	49.0	ETHYL DIMETHYL BENZENE
UG/L	0		
UNK550	91550	51.0	ETHYL DIMETHYL BENZENE
UG/L	0		
UNK552	91552	10	METHYL ISOPROPYL BENZENE
UG/L	0		

PARAMETERS UNITS	STORET # METHOD	04009 T44GMS3 3	TENTATIVE ID
DATE		05/06/87	
TIME		07:36	
UNK553	91553	58.6	TETRAMETHYL BENZENE
UG/L	0		
UNK555	91555	40.2	DIHYDROMETHYL-1H-INDENE,
UG/L	0		DIETHYL METHYL BENZENE
			c11h16 (AROMATIC HYDROCARBON)
UNK556	91556	39.3	DIHYDROMETHYL-1H-INDENE,
UG/L	0		METHYL, ISOPROPYL BENZENE
UNK557	91557	9.57	c11h16 (AROMATIC HYDROCARBON)
UG/L	0		
UNK558	91558	10	DIMETHYL PROPYL BENZENE
UG/L	0		
UNK559	91559	35.2	NAPTHALENE,
UG/L	0		DIHYDRO, DIMETHYL-1H-INDENE
UNK567	91567	2140	CAPROLACTAM
UG/L	0		
UNK568	91568	33.8	METHYL NAPTHALENE
UG/L	0		
UNK569	91569	15.7	METHYL NAPTHALENE
UG/L	0		
UNK571	91571	9	UNKNOWN
UG/L	0		
UNK576	91576	9.97	DIMETHYL NAPTHALENE
UG/L	0		
UNK577	91577	8.65	DIMETHYL NAPTHALENE
UG/L	0		

PARAMETERS	UNITS	STORE # / METHOD	04009 T44GMS3 / 3	TENTATIVE ID
DATE			05/06/87	
TIME			07:36	
UNK589	UG/L	91589 / 0	23.7	UNKNOWN
UNK595	UG/L	91595 / 0	21.2	POSSIBLY DODECYCLOXYETHANOL
UNK611	UG/L	91611 / 0	41.8	UNKNOWN
UNK612	UG/L	91612 / 0	8.78	UNKNOWN
UNK618	UG/L	91618 / 0	9.12	UNKNOWN
UNK622	UG/L	91622 / 0	87.9	UNKNOWN
UNK624	UG/L	91624 / 0	50.3	UNKNOWN
UNK625	UG/L	91625 / 0	12.4	UNKNOWN
UNK632	UG/L	91632 / 0	10.3	UNKNOWN
UNK636	UG/L	91636 / 0	44.5	UNKNOWN
UNK643	UG/L	91643 / 0	765	UNKNOWN
UNK648	UG/L	91648 / 0	9.99	UNKNOWN
UNK695	UG/L	91695 / 0	8.61	UNKNOWN

PARAMETERS	STORET #	09002 T44GMS3	TENTATIVE ID
UNITS	METHOD	4	
DATE		05/05/87	
TIME		14:16	
UNK566	91566	935	CAPROLACTAM
UG/L	0		

PARAMETERS	STORET #	22051 T44GMS3	TENTATIVE ID
UNITS	METHOD	5	
DATE		05/13/87	
TIME		07:52	
UNK582	91582	10.7	UNKNOWN
UG/L	0		
UNK636	91636	19.9	BIS (2-ETHYL HEXYL) PHTHALATE
UG/L	0		

PARAMETERS		STORET #	23004 T44GMS3	TENTATIVE ID
	UNITS	METHOD	6	
DATE		05/13/87		
TIME		10:08		
UNK518		91518	11.2	TETRACHLOROETHENE
	UG/L	0		
UNK552		91552	20	UNKNOWN
	UG/L	0		
UNK553		91553	18.1	UNKNOWN
	UG/L	0		
UNK556		91556	10.7	UNKNOWN
	UG/L	0		
UNK557		91557	11.9	UNKNOWN
	UG/L	0		
UNK558		91558	20	UNKNOWN
	UG/L	0		
UNK561		91561	33.5	POSSIBLY BIS(ISOPROPYL)UREA
	UG/L	0		c7h16n2o
UNK566		91566	46.1	UNKNOWN
	UG/L	0		
UNK568		91568	15.2	POSSIBLY OXATRICYCLOOCTANONE
	UG/L	0		
UNK569		91569	57.1	UNKNOWN
	UG/L	0		
UNK571		91571	30	UNKNOWN
	UG/L	0		
UNK573		91573	36.1	UNKNOWN
	UG/L	0		
UNK577		91577	57.8	UNKNOWN
	UG/L	0		
UNK582		91582	32.2	UNKNOWN
	UG/L	0		
UNK587		91587	375	UNKNOWN
	UG/L	0		
UNK588		91588	30	UNKNOWN
	UG/L	0		
UNK589		91589	15.6	UNKNOWN
	UG/L	0		
UNK595		91595	26.9	UNKNOWN
	UG/L	0		
UNK625		91625	22.0	HEXACHLORINATED CMPD, M.WT.364
	UG/L	0		

PARAMETERS	UNITS	STORET # METHOD	23004 T44GMS3 6	TENTATIVE ID
DATE			05/13/87	
TIME			10:08	
UNK535	UG/L	91535 0	11.8	UNKNOWN
UNK540	UG/L	91540 0	31.2	UNKNOWN
UNK551	UG/L	91551 0	14.3	UNKNOWN
UNK554	UG/L	91554 0	45.8	UNKNOWN
UNK562	UG/L	91562 0	85.3	UNKNOWN
UNK570	UG/L	91570 0	75.0	UNKNOWN
UNK574	UG/L	91574 0	29.5	TETRACHLOROBENZENE, UNKNOWN
UNK575	UG/L	91575 0	17.6	METHYL SULFOXYL BENZENE
UNK578	UG/L	91578 0	114	UNKNOWN
UNK579	UG/L	91579 0	274	UNKNOWN
UNK581	UG/L	91581 0	20.8	UNKNOWN
UNK583	UG/L	91583 0	83.8	UNKNOWN
UNK584	UG/L	91584 0	73.6	UNKNOWN
UNK586	UG/L	91586 0	32.7	UNKNOWN
UNK590	UG/L	91590 0	13.5	PENTACHLORINATED CMPD. M.WT.236

PARAMETERS	STORET #	23004 T44GMS3	TENTATIVE ID
UNITS	METHOD	6	
DATE		05/13/87	
TIME		10:08	
UNK591	91591	16.7	HEPTACHLOROBICYCLOHEPTENE
UG/L	0		c7h13cl7
UNK593	91593	13.3	UNKNOWN
UG/L	0		
UNK594	91594	13.1	UNKNOWN
UG/L	0		
UNK602	91602	80	UNKNOWN
UG/L	0		
UNK623	91623	21.9	PENTACHLORINATED CMPD,M.WT.344
UG/L	0		
UNK633	91633	20.7	CHLORINATED CMPD, M.WT.>325
UG/L	0		

PARAMETERS	STORET #	23029 T44GMS3	TENTATIVE ID
UNITS	METHOD	7	
DATE	05/13/87		
TIME	11:44		
UNK582	91582	7.31	MONOCHLORINATED CMPD, M.WT.182
UG/L	0		

PARAMETERS	STORET #	24092 T44GMS3	TENTATIVE ID
UNITS	METHOD	10	
DATE	05/18/87		
TIME	08:42		
UNK564	91564	13.6	CAPROLACTAM
UG/L	0		

PARAMETERS	STORET #	24106 T44GMS3	TENTATIVE ID
UNITS	METHOD	11	
DATE	05/18/87		
TIME	13:35		
UNK588	91588	10	UNKNOWN
UG/L	0		

ENVIRONMENTAL SCIENCE & ENGINEERING 01/06/88 STATUS:

PROJECT NUMBER 87436 0000 PROJECT NAME RMA TASK44
FIELD GROUP T44GMS3 PROJECT MANAGER
T44G3 LAB COORDINATOR HUGH PRENTICE

PARAMETERS UNITS	STORET # METHOD	24111 T44GMS3 12	TENTATIVE ID
DATE	05/14/87		
TIME	13:55		
UNK588 UG/L	91588 0	9	UNKNOWN
UNK636 UG/L	91636 0	68.3	BIS(2-ETHYLHEXYL)PHTHALATE

PARAMETERS	STORET #	24113 T44GMS3	TENTATIVE ID
UNITS	METHOD	13	
DATE		05/18/87	
TIME		10:46	
UNK566	91566	528	CAPROLACTAM
UG/L	0		
UNK588	91588	6	UNKNOWN
UG/L	0		

PARAMETERS	STORET #	24127 T44GMS3	TENTATIVE ID
UNITS	METHOD	15	
DATE		05/12/87	
TIME		14:43	
UNK518	91518	27.0	TETRACHLOROETHENE
UG/L	0		
UNK565	91565	188	CAPROLACTAM
UG/L	0		
UNK569	91569	8.55	UNKNOWN
UG/L			
UNK582	91582	10.1	UNKNOWN
UG/L	0		
UNK587	91587	6.84	UNKNOWN
UG/L	0		
UNK589	91589	21.5	UNKNOWN
UG/L	0		
UNK636	91636	16.1	BIS(2-ETHYL HEXYL)PHTHALATE
UG/L	0		
UNK562	91562	6.45	UNKNOWN
UG/L	0		
UNK579	91579	111	UNKNOWN
UG/L	0		
UNK583	91583	14.3	UNKNOWN
UG/L	0		
UNK584	91584	16.3	UNKNOWN
UG/L	0		
UNK585	91585	10	UNKNOWN
UG/L	0		
UNK586	91586	54.7	UNKNOWN
UG/L	0		
UNK593	91593	8.88	UNKNOWN
UG/L	0		

PARAMETERS UNITS	STORET # METHOD	27049 T44GMS3 17	TENTATIVE ID
DATE	05/12/87		
TIME	15:12		
UNK516 UG/L	91516 0	10.0	UNKNOWN

PARAMETERS UNITS	STORET # METHOD	27055 T44GMS3 19	TENTATIVE ID
DATE		05/08/87	
TIME		09:15	
UNK569 UG/L	91569 0	8810	CAPROLACTAM
UNK612 UG/L	91612 0	21.3	UNKNOWN
UNK618 UG/L	91618 0	23.2	UNKNOWN
UNK622 UG/L	91622 0	161	UNKNOWN
UNK624 UG/L	91624 0	10.5	UNKNOWN
UNK625 UG/L	91625 0	22.8	UNKNOWN
UNK643 UG/L	91643 0	994	UNKNOWN
UNK580 UG/L	91580 0	20	CHLORINATED HYDROCARBON
UNK583 UG/L	91583 0	7.77	2,6-L-BUTYL-4-METHYL PHENOL
UNK633 UG/L	91633 0	20.2	UNKNOWN
UNK637 UG/L	91637 0	15.4	UNKNOWN
UNK649 UG/L	91649 0	8.91	UNKNOWN

PARAMETERS UNITS	STORET # METHOD	33063 T44GMS3 22	TENTATIVE ID
DATE	05/06/87		
TIME	14:24		
UNK567 UG/L	91567 0	2240	CAPROLACTAM
UNK642 UG/L	91642 0	23.4	UNKNOWN

PARAMETERS UNITS	STORET # METHOD	35016 T44GMS3 23	TENTATIVE ID
DATE		05/06/87	
TIME		15:16	
UNK523 UG/L	91523 0	13.4	CHLOROBENZENE
UNK539 UG/L	91539 0	29.4	1,3-DITHIOLANE, UNKNOWN
UNK557 UG/L	91557 0	8.45	POSS. 1,3-DITHIOLANE-2-THIONE
UNK563 UG/L	91563 0	52.0	UNKNOWN
UNK565 UG/L	91565 0	436	CAPROLACTAM
UNK573 UG/L	91573 0	22.9	A SULFUR-CONTAINING CMPD,M.WT.152
UNK577 UG/L	91577 0	8.06	A SULFUR-CONTAINING CMPD
UNK582 UG/L	91582 0	15.1	A SULFUR-CONTAINING CMPD
UNK587 UG/L	91587 0	7.83	UNK
UNK614 UG/L	91614 0	21.8	MOLECULAR SULFUR (S8)
UNK642 UG/L	91642 0	17.2	UNK

PARAMETERS	UNITS	STORET #	METHOD	35066 T44GMS3 25	TENTATIVE ID
DATE		05/12/87			
TIME		07:47			
UNK563	UG/L	91563	0	141	UNKNOWN
UNK577	UG/L	91577	0	17.3	UNKNOWN
UNK582	UG/L	91582	0	15.9	MONOCHLORINATED CMPD, M.WT.182
UNK572	UG/L	91572	0	22.3	MONOCHLORINATED CMPD, M.WT.170

PARAMETERS	UNITS	STORET # / METHOD	36084 T44GMS3 26	TENTATIVE ID
DATE			05/12/87	
TIME			10:20	
UNK557		91557	11.8	UNKNOWN
	UG/L	0		
UNK559		91559	5.51	TRICHLOROCYCLOPENTENE
	UG/L	0		
UNK561		91561	10.7	UNKNOWN
	UG/L	0		
UNK563		91563	265	UNKNOWN
	UG/L	0		
UNK565		91565	186	CAPROLACTAM
	UG/L	0		
UNK566		91566	18.7	UNKNOWN
	UG/L	0		
UNK568		91568	14.8	UNKNOWN
	UG/L	0		
UNK569		91569	7.14	UNKNOWN
	UG/L	0		
UNK571		91571	6	UNKNOWN
	UG/L	0		
UNK573		91573	95.5	UNKNOWN
	UG/L	0		
UNK577		91577	49.2	UNKNOWN
	UG/L	0		
UNK582		91582	57.2	MONOCHLORINATED CMPD, M.WT.182
	UG/L	0		

PARAMETERS UNITS	STORET # METHOD	36084 T44GMS3 26	TENTATIVE ID
DATE TIME		05/12/87 10:20	
UNK589 UG/L	91589 0	12.0	UNKNOWN
UNK695 UG/L	91695 0	8.30	UNKNOWN
UNK554 UG/L	91554 0	30.7	UNKNOWN
UNK560 UG/L	91560 0	7.72	UNKNOWN
UNK574 UG/L	91574 0	23.9	SULFUR CONTAINING CMPD, M.WT.136
UNK578 UG/L	91578 0	57.6	UNKNOWN
UNK579 UG/L	91579 0	14.8	UNKNOWN
UNK580 UG/L	91580 0	6	UNKNOWN
UNK581 UG/L	91581 0	10.3	UNKNOWN
UNK585 UG/L	91585 0	60	UNKNOWN
UNK586 UG/L	91586 0	29.7	UNKNOWN
UNK594 UG/L	91594 0	15.7	UNKNOWN
UNK596 UG/L	91596 0	6.13	UNKNOWN
UNK598 UG/L	91598 0	56.9	5-ETHYL-5-SEC.AMYL-2,4,6 (1H,3H,5H)-PYRIMIDINETRIONE
UNK603 UG/L	91603 0	33.2	CHLORINATED COMPOUND
UNK604 UG/L	91604 0	15.4	UNKNOWN
UNK672 UG/L	91672 0	19.4	UNKNOWN

PARAMETERS	UNITS	STORET # / METHOD	36090 T44GMS3 27	TENTATIVE ID
DATE			05/06/87	
TIME			13:51	
UNK518	UG/L	91518 / 0	11.2	TETRACHLOROETHANE
UNK523	UG/L	91523 / 0	56.9	CHLOROBENZENE
UNK533	UG/L	91533 / 0	10.3	POSS. 5-METHYL-1,3-OXATHIANE
UNK539	UG/L	91539 / 0	73.1	1,3-DITHIOLANE POSS. DIMETHYL-1,3-OXATHIANE
UNK542	UG/L	91542 / 0	20.9	POSS. DIMETHYL-1,3-OXATHIANE
UNK544	UG/L	91544 / 0	79.0	UNKNOWN
UNK545	UG/L	91545 / 0	8.99	SULFUR CONTAINING CMPD, M.WT. [illegible]2
UNK557	UG/L	91557 / 0	44.0	SULFUR CONTAINING CMPD, M.WT.136
UNK558	UG/L	91558 / 0	10	UNKNOWN
UNK561	UG/L	91561 / 0	8.48	UNKNOWN
UNK564	UG/L	91564 / 0	86.3	CAPROLACTAM
UNK573	UG/L	91573 / 0	79.9	DIMETHYL TRITHIOLANE
UNK588	UG/L	91588 / 0	20	UNKNOWN
UNK609	UG/L	91609 / 0	6.32	HEXADECANOIC ACID
UNK617	UG/L	91617 / 0	10.1	UNKNOWN
UNK618	UG/L	91618 / 0	49.5	OCTADECENOIC ACID, UNKNOWN
UNK622	UG/L	91622 / 0	96.1	UNKNOWN
UNK642	UG/L	91642 / 0	126	UNKNOWN
UNK673	UG/L	91673 / 0	375	UNKNOWN
UNK694	UG/L	91694 / 0	37.4	UNKNOWN

PARAMETERS	STORET #	36139 T44GMS3	TENTATIVE ID
UNITS	METHOD	2(	
DATE		05/11/87	
TIME		14:39	
UNK550	91550	7.00	1,3,6-DIXATHIOLANE (c5h10o2s)
UG/L	0		
UNK552	91552	40	UNKNOWN
UG/L	0		
UNK557	91557	23.0	SULFUR-CONTAINING COMPOUND
UG/L	0		
UNK563	91563	153	UNKNOWN
UG/L	0		
UNK573	91573	113	DIMETHYL TRITHIOLANE
UG/L	0		
UNK577	91577	24.5	SULFUR-CONTAINING CMPD,M.WT.152
UG/L	0		
UNK582	91582	6.33	MONOCHLORINATED CMPD, M.WT.182
UG/L	0		
UNK642	91642	11.2	UNKNOWN
UG/L	0		
UNK554	91554	8.38	UNKNOWN
UG/L	0		
UNK574	91574	114	SULFUR-CONTAINING CMPD
UG/L	0		
UNK579	91579	6.46	UNKNOWN
UG/L	0		
UNK603	91603	7.78	CHLORINATED CMPD
UG/L	0		

PARAMETERS	UNITS	STORET # METHOD	37309 T44GMS3 41	TENTATIVE ID
DATE			07/08/87	
TIME			08:56	
UNK563		91563	21.9	UNKNOWN, ALICYCLIC CMPD.
	UG/L	0		
UNK566		91566	72.7	UNKNOWN, ALICYCLIC CMPD.
	UG/L	0		
UNK569		91569	18.1	UNKNOWN
	UG/L	0		
UNK573		91573	9.11	UNKNOWN, ALICYCLIC CMPD.
	UG/L	0		
UNK577		91577	13.3	UNKNOWN
	UG/L	0		
UNK582		91582	16.9	UNKNOWN
	UG/L	0		
UNK587		91587	16.5	UNKNOWN
	UG/L	0		
UNK589		91589	28.2	UNKNOWN
	UG/L	0		
UNK595		91595	13.7	UNKNOWN
	UG/L	0		
UNK625		91625	13.8	UNKNOWN
	UG/L	0		
UNK575		91575	16.1	UNKNOWN
	UG/L	0		
UNK579		91579	79.0	UNKNOWN
	UG/L	0		
UNK580		91580	20	UNKNOWN
	UG/L	0		
UNK581		91581	10.4	UNKNOWN
	UG/L	0		
UNK583		91583	30.0	UNKNOWN
	UG/L	0		
UNK585		91585	80	UNKNOWN, ALICYCLIC CMPD.
	UG/L	0		
UNK586		91586	54.4	UNKNOWN
	UG/L	0		
UNK593		91593	24.5	UNKNOWN
	UG/L	0		
UNK594		91594	31.5	UNKNOWN
	UG/L	0		
UNK623		91623	7.90	c12h9cl5o
	UG/L	0		2,5,7-METHENO-3H-CYCLOPENTA-[A]PENTALEN-3-ONE
UNK633		91633	40.4	PENTACHLORO CMPD, POSS.M.WT.360
	UG/L	0		
UNK519		91519	23.1	TETRACHLOROETHENE
	UG/L	0		
UNK543		91543	11.2	DCPD ISOMER

PARAMETERS	STORET #	37332	TENTATIVE ID
UNITS	METHOD	T44GMS3 42	
DATE		07/08/87	
TIME		08:05	
UNK523	91523	8.80	CHLOROBENZENE
UG/L	0		
UNK582	91582	10.3	UNKNOWN
UG/L	0		

PARAMETERS UNITS	STORET # METHOD	37333 T44GMS3 43	TENTATIVE ID
DATE		07/09/87	
TIME		07:20	
UNK642 UG/L	91642 0	37.8	UNKNOWN

PARAMETERS UNITS	STORET # METHOD	37344 T44GMS3 44	TENTATIVE ID
DATE	07/08/87		
TIME	11:15		
UNK523 UG/L	91523 0	2.90	CHLOROBENZENE
UNK582 UG/L	91582 0	8.12	UNKNOWN
UNK589 UG/L	91589 0	79.2	UNKNOWN
UNK585 UG/L	91585 0	7	UNKNOWN
UNK593 UG/L	91593 0	13.7	UNKNOWN
UNK519 UG/L	91519 0	39.5	TETRACHLOROETHENE

PARAMETERS UNITS	STORET # METHOD	37359 T44GMS3 45	TENTATIVE ID
DATE	07/08/87		
TIME	09:45		
UNK523 UG/L	91523 0	5.50	CHLOROBENZENE
UNK543 UG/L	91543 0	2.48	DICHLOROBENZENE

OFFPOST GC/MS NONTARGET DATA TASKS 4 AND 44 3RD & 4TH QUARTER, FY1986 AND 4TH QUARTER FY1987

PARAMETERS	STORET #	37305 OPG3C	
UNITS	METHOD	1	TENTATIVE ID
DATE		08/26/86	
TIME		14:56	
UNK563	91563	28.8	UNK
UNK565	91565	154	CAPROLACTAM
UNK582	91582	20.4	UNK
UNK586	91586	8.78	UNK

PARAMETERS UNITS	STORET # METHOD	37307 OPGW2C 2	TENTATIVE ID
DATE		06/18/86	
TIME		11:41	
UNK594	91594	26.4	N-HEPTADECANE; 2,10,6,4-TETRA-METHYLPENTADECANE
UNK600	91600	7.48	N-OCTADECANE
UNK605	91605	13.0	N-NONADECANE
UNK610	91610	7.40	N-EICOSANE

PARAMETERS UNITS	STORET # METHOD	37308 OPGW2C 3	TENTATIVE ID
DATE		06/16/86	
TIME		15:17	
UNK519	91519	20.9	TETRACHLOROETHENE
UNK563	91563	7.43	CYCLOPENTADIENE DERIVATIVE c11h16
UNK566	91566	18.9	c10h10o, CYCLPENTADIENE
UNK579	91579	33.6	UNK
UNK582	91582	6.61	UNK
UNK583	91583	7.54	UNK
UNK585	91585	27.9	UNK
UNK586	91586	18.7	UNK
UNK589	91589	30.5	UNK
UNK593	91593	14.4	UNK
UNK594	91594	6.78	UNK
UNK595	91595	6.42	UNK
UNK633	91633	8.52	TETRACHLORINATED COMPOUND

PARAMETERS	STORET #	37312 OPGW2C	TENTATIVE ID
UNITS	METHOD	1	
DATE		06/17/86	
TIME		11:13	
UNK579	91579	6.57	UNK

PARAMETERS UNITS	STORET # METHOD	37313 OPG3C 2	TENTATIVE ID
DATE		08/26/86	
TIME		10:15	
UNK560	91560	7.49	UNK
UNK563	91563	29.0	UNK
UNK565	91565	339	CAPROLACTAM
UNK579	91579	14.4	2-(4-METHYL-2-FURYL)-2-CYCLOPENTEN-1-ONE
UNK582	91582	27.5	UNK
UNK585	91585	11.8	UNK
UNK586	91586	14.6	UNK
UNK588	91588	38.7	PROPANOIC ACID, 2-METHYL-1-(1,1-DIMETHYL ETHYL)-2-METHYL -1,3-PROPANEDIEL ESTER
UNK599	91599	7.87	UNK
UNK642	91642	96.6	UNK
UNK654	91654	911	UNK
UNK671	91671	752	UNK
UNK693	91693	571	UNK

PARAMETERS	STORET #	37320 OPG3C	TENTATIVE ID
UNITS	METHOD	3	
DATE		09/22/86	
TIME		12:06	
UNK529	91529	14.1	2-METHYLCYCLOPENTANONE
UNK648	91648	11.3	UNK
UNK652	91652	236	UNK

PARAMETERS	STORET #	37332 OPGW2C	TENTATIVE ID
UNITS	METHOD	5	
DATE		06/16/86	
TIME		11:58	
UNK040	91040	7.50	UNK
UNK582	91582	6.41	UNK

PARAMETERS	STORET #	37343 OPGW2C	TENTATIVE ID
UNITS	METHOD	6	
DATE		06/13/86	
TIME		08:39	
UNK594	91594	14.3	N-HEPTADECANE, 2,6,10,14-TETRAMETHYLPENTADECANE

PARAMETERS	STORET #	37343 OPGW2C	TENTATIVE ID
UNITS	METHOD	6	
DATE		06/13/86	
TIME		08:39	
UNK600	91600	5.51	2,6,10,14-TETRAMETHYLPENTADECANE
UNK605	91605	7.49	N-NONADECANE
UNK667	91667	175	UNK

		37347	
PARAMETERS	STORET #	OPG3C	TENTATIVE ID
UNITS	METHOD	5	
DATE	08/25/86		
TIME	00:00		

PARAMETERS	STORET #	37349 OPG3C	TENTATIVE ID
UNITS	METHOD	6	
DATE		09/11/86	
TIME		07:53	

PARAMETERS	STORET #	37353 OPGW2	TENTATIVE ID
UNITS	METHOD	8	
DATE	06/12/86		
TIME	11:32		
UNK523	91523	10.8	A NONANE
UNK524	91524	13.0	4-HYDROXYL-4-METHYL-2-PENTANONE
UNK526	91526	20.9	A NONANE
UNK526	91526	20.9	A NONANE
UNK527	91527	32.3	METHYLOCTANE

PARAMETERS	STORET #	37353 OPGW2C	TENTATIVE ID
UNITS	METHOD	8	
DATE		06/12/86	
TIME		11:32	
UNK649	91649	120	UNK
UNK657	91657	67.7	UNK

	37353	
PARAMETERS STORET #	OPG3C	TENTATIVE ID
UNITS METHOD	4	
DATE	09/12/86	
TIME	07:38	

PARAMETERS	STORET #	37354 OPGW2C	TENTATIVE ID
UNITS	METHOD	4	
DATE		06/11/86	
TIME		10:06	
UNK635	91635	2.83	BIS(2-ETHYLHEXYL)PHTHALATE

PARAMETERS	STORET #	37356 OPG3C	TENTATIVE ID
UNITS	METHOD	7	
DATE		09/08/86	
TIME		10:43	
UNK652	91652	127	UNK

PARAMETERS	STORET #	37357 OPG3C	TENTATIVE ID
UNITS	METHOD	8	
DATE		09/11/86	
TIME		10:47	

PARAMETERS	STORET #	BOLLER OPGW2C	TENTATIVE ID
UNITS	METHOD	7	
DATE	07/01/86		
TIME	09:32		
UNK588	91588	11.4	UNK
UNK635	91635	18.4	PHTHALATE, BIS(2-ETHYLHEXYL)-PHTHALATE
UNK640	91640	5.79	PHTHALATE
UNK649	91649	7.08	PHTHALATE
UNK654	91654	6.42	PHTHALATE
UNK656	91656	112	UNK
UNK669	91669	5.87	PHTHALATE

GC/MS TRIP BLANK DATA

ENVIRONMENTAL SCIENCE AND ENGINE . INC. DATE:09/23/88 PAGE 1

GCMS TRIP BLANKS

STORET CODE:				34371	34030	81596	81580	34496	34531	34506	34511	34423	32106	32102	34546	34010	34301
METHOD CODE:				MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
PARAMETER:				ETHYBENZ	BENZENE	MIBK	BMDS	11DCLE	12DCLE	111TCE	112TCE	METHYLCL	CHCL3	CCL4	T12DCE	TOLUEN	CLC6HS
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME														
T4TBKC	2	TBK2	06/04/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBKC	3	TBK3	06/05/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBKC	5	TBK5	06/12/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBKC	6	TBK6	06/23/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	3.9	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBKC	7	TBK7	06/24/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBKC	8	TBK8	06/24/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBKC	9	TBK9	06/26/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBKC	10	TBK10	06/27/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBKC	11	TBK11	06/30/86 00:52	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBKC	12	TBK12	07/01/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TDC	3	TD3	08/28/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	6.66	<1.00	<2.0	<2.0	<1.0	<2.0
T4TDC	4	TD4	09/02/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	5.08	<1.00	<2.0	<2.0	<1.0	<2.0
T4TDC	5	TD5	09/03/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	6.79	14.3	<2.0	<2.0	1.3	<2.0
T4TDC	6	TD6	09/04/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	6.41	<1.00	<2.0	<2.0	<1.0	<2.0
T4TDC	7	TD7	09/05/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	1.9	<2.0
T4TDC	8	TD8	09/08/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
OPTDC	4	TD4	09/12/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TDC	9	TD9	09/15/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TDC	10	TD10	09/17/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TDC	11	TD11	09/18/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	8.45	<1.00	<2.0	<2.0	<1.0	<2.0
T4TDC	12	TD12	09/19/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	1.1	<2.0
T4TDC	13	TD13	09/22/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TDC	14	TD14	09/23/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TDC	15	TD15	09/24/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TDC	16	TD16	09/26/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TDC	17	TD17	09/29/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T44GMS3	50	TD1	05/05/87 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T44GMS3	51	TD2	05/06/87 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T44GMS3	52	TD3	05/08/87 00:00	<1.0	<1.1	<2.0	<2.5	<2.0	<1.0	<1.0	<1.0	15.9	<1.00	<1.5	<1.2	<1.0	<2.1
T44GMS3	53	TD4	05/11/87 00:00	<1.0	<1.1	<2.0	<2.5	<2.0	<1.0	<1.0	<1.0	<4.00	<1.00	<1.5	<1.2	<1.0	<2.1
T44GMS3	54	TD5	05/12/87 00:00	<1.0	<1.1	<2.0	<2.5	<2.0	<1.0	<1.0	<1.0	<4.00	<1.00	<1.5	<1.2	<1.0	<2.1
T44GMS3	55	TD6	05/13/87 07:52	<1.0	<1.1	<2.0	<2.5	<2.0	<1.0	<1.0	<1.0	<4.00	<1.00	<1.5	<1.2	<1.0	<2.1
T44GMS3	56	TD7	05/18/87 00:00	<1.0	<1.1	<2.0	<2.5	<2.0	<1.0	<1.0	<1.0	<4.00	<1.00	<1.5	<1.2	<1.0	<2.1
T44GMS3	57	TD8	05/19/87 00:00	<1.0	<1.1	<2.0	<2.5	<2.0	<1.0	<1.0	<1.0	9.01	<1.00	<1.5	<1.2	<1.0	<2.1
T44GMS3	59	TD10	07/09/87 07:20	<1.0	<1.1	<2.0	<2.5	<2.0	<1.0	<1.0	<1.0	5.72	<1.00	<1.5	<1.2	<1.0	<2.1

ENVIRONMENTAL SCIENCE AND ENGINE . INC.   DATE:09/23/88 PAGE 2

GCMS TRIP BLANKS

STORET CODE:					34475	39180	90553	90554	99133	77985	90633
METHOD CODE:					MS	MS	MS	MS	MS	MS	MS
PARAMETER:					TCLEE	TRCLE	M-XYLENE	OP-XYL	DBCP	DCPD	BCHD
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME							
T4TBKC	2	TBK2	06/04/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBKC	3	TBK3	06/05/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBKC	5	TBK5	06/12/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBKC	6	TBK6	06/23/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBKC	7	TBK7	06/24/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBKC	8	TBK8	06/24/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBKC	9	TBK9	06/26/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBKC	10	TBK10	06/27/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBKC	11	TBK11	06/30/86	00:52	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBKC	12	TBK12	07/01/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	3	TB3	08/28/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	4	TB4	09/02/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	5	TB5	09/03/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	6	TB6	09/04/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	7	TB	09/05/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	8	TB8	09/08/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
DPTBC	4	TB4	09/12/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	9	TB9	09/15/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	10	TB10	09/17/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	11	TB11	09/18/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	12	TB12	09/19/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	13	TB13	09/22/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	14	TB14	09/23/86	00:06	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	15	TB15	09/24/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	16	TB16	09/26/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	17	TB17	09/29/86	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T44GMS3	50	TB1	05/05/87	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T44GMS3	51	TB2	05/06/87	00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T44GMS3	52	TB3	05/08/87	00:00	<1.0	<1.0	<1.0	<2.0	<3.0	<1.1	<1.0
T44GMS3	53	TB4	05/11/87	00:00	<1.0	<1.0	<1.0	<2.0	<3.0	<1.1	<1.0
T44GMS3	54	TB5	05/12/87	00:00	<1.0	<1.0	<1.0	<2.0	<3.0	<1.1	<1.0
T44GMS3	55	TB6	05/13/87	07:52	<1.0	<1.0	<1.0	<2.0	<3.0	<1.1	<1.0
T44GMS3	56	TB7	05/18/87	00:00	<1.0	<1.0	<1.0	<2.0	<3.0	<1.1	<1.0
T44GMS3	57	TB8	05/19/87	00:00	<1.0	<1.0	<1.0	<2.0	<3.0	<1.1	<1.0
T44GMS3	59	TB10	07/09/87	07:20	<1.0	<1.0	1.4	<2.0	<3.0	<1.1	<1.0

APPENDIX E

HYDROCHEMICAL PROPERTIES AND HYDROLOGIC CALCULATIONS

APPENDIX E
HYDROCHEMICAL PROPERTIES

Several hydrochemical properties that are discussed in Section 4.4 (Volume I) and presented in this Appendix may also influence contaminant distribution in the Denver Fm. These parameters include density, solubility, viscosity, and partitioning behavior (partition coefficients). The following discuss the environmentally important properties of chemicals, as well as the major types of mechanisms that may be operative at RMA, and the influence these controls may exert on compound distribution.

E.1 PHYSIOCHEMICAL PROPERTIES

The concentration, behavior, and fate of compounds in aqueous media are determined by a number of physiochemical and biological processes (Moore and Ramamoothy, 1984). These processes include sorption-desorption, volatilization, oxidation-reduction, hydrolysis, halogenation-dehalogenation, cosolvent effects, photochemical processes, and metabolic transformation which influence contaminant partitioning, migration, and degradation. Processes are discussed in Section E.2. Specific chemical properties influence the physiochemical processes, and include density, solubility, viscosity, vapor pressure, and partition coefficients. A summary of these properties for contaminants identified in RMA waters is discussed below and provides information to assess fate and transport processes that control contaminant distribution in aqueous media.

E.1.1 DENSITY

Density is defined as the mass per unit volume of a substance under standard conditions of pressure and temperature (Morris, 1976). Specific gravity is similar to density, as it represents the mass of a compound relative to that of an equal volume of water at 4°C. After immiscible contaminants are introduced to the ground-water system they will either sink, float, or remain suspended in the ground water as a function of compound density/ specific gravity. Table 4-2 lists the specific gravity of RMA contaminants.

The influence of compound density on contaminant distribution is substantially decreased once the compound is dissolved. However, the resulting density of the overall aqueous media relative to uncontaminated aquifer waters may produce a small amount of density differentiation, depending on compound concentration. As a contaminant continues to mix with uncontaminated water, dilution of the ground water/contaminant mixture occurs and the effects of density differentiation are greatly reduced.

E.1.2 SOLUBILITY

Solubility is the maximum amount of a compound that will dissolve in a given amount of solvent. This property will affect the amount of contaminant that can be transported in the dissolved phase within aqueous media.

Solubility of a contaminant in water is influenced by a number of parameters including temperature, pressure, chemical reactions within the ground water system, pH, Eh, and the concentration of other ionic species in solution. In very general terms, the solubility of a compound increases with increased temperature, decreased ionic content, decreased pH (for metals), and increased

organic constituent content (Ebasco, 1988, unpublished). Table 4-2 summarizes RMA contaminant solubility in water. In general, compounds with solubilities in excess of 1,000 mg/l may be considered relatively soluble, which includes most of the volatile organohalogens, benzene, DBCP, MIBK, CPMSO, CPMSO$_2$, DMDS, oxathiane, dithiane, DIMP, and DMMP.

Arsenic is generally considered insoluble, although it is found throughout much of the RMA alluvial ground water Appendix F (Figure 4.2-21). One possible explanation for this occurrence is that arsenic may be found as metalloid complexes (negatively charged or neutral) that exhibit little or no adsorption or ion exchange attenuation (Freeze and Cherry, 1979, Task 23).

E.1.3 VISCOSITY

Viscosity can be an important consideration for immiscible compounds. In a porous media setting, immiscible, viscous material will travel at lower rates than dissolved constituents through porous media. Noting that many of the contaminants at RMA exhibit miscibility, this parameter may be of concern only where solubility of a compound is exceeded and undissolved material may exist.

E.1.4 VAPOR PRESSURE

Vapor pressure is defined as the pressure exerted by vapor in equilibrium with its solid or liquid phase (Morris, 1976). This parameter defines which compounds are classified as volatile and determines the relative potential influence of the vapor phase on contaminant distribution. Vapor pressure is highly dependent upon temperature and molar/molal heat of vaporization (Moore and Ramamoorthy, 1984). Ebasco (1988) assembled information regarding vapor pressure for RMA compounds (Table 4-2). In general terms, volatile compounds exhibit vapor pressures in excess of 1 millimeter of mercury (mmHg), semivolatile compounds exhibit vapor pressures between 1 and 0.001 mmHg, and nonvolatile compounds exhibit vapor pressures less than 1×10^{-3} mmHg (Ebasco, 1988).

E.1.5 PARTITION COEFFICIENTS

A partition coefficient is the measure of the distribution of a given compound between two phases and may be expressed as a concentration ratio (Moore and Ramamoorthy, 1984). Of particular concern to aqueous media are the partitioning of compound between the aqueous and vapor phases, and partitioning of contaminant between the aqueous and solid (aquifer material) phases. These behaviors are defined by Henry's constant (K_h) and the sorption coefficient (K_d), which are discussed below.

E.1.5.1 HENRY'S LAW CONSTANT

Henry's law states that at equilibrium, the solubility of a gas in water at a constant temperature is proportional to the vapor pressure (Hem, 1986). This proportionality is related to Henry's law constant, which is defined by the formula:

$$K_h = \frac{[x]}{Px}$$

where:

K_h = Henry's constant,
$[x]$ = Activity of the compound in the liquid phase, and

Px = Vapor pressure of the compound at a given temperature.
K_h is constant at equilibrium, therefore, variations in either Px or [x] will produce a corresponding adjustment in the other phase.

Compounds that exhibit K_h of less than 10^{-7} atm-m^3/mol are considered nonvolatile and will exist primarily as dissolved or sorbed constituents within aqueous media. Compounds with K_h between 10^{-7} and 10^{-3} at m-m^3/mol may be considered semivolatile in nature, while contaminants with K_h greater than 10^{-3} atm-m^3/mol volatile.

E.1.5.2 SORPTION COEFFICIENT

The sorption coefficient, or K_d, is represented by the ratio of the concentration of a contaminant sorbed to aquifer material and the concentration of contaminant in the aqueous phase. The following formula describes this relationship:

$$K_d = \frac{Cs}{Cw}$$

where:
- K_d = Sorption coefficient;
- Cs = Concentration in the solid phase; and
- Cw = Concentration in the liquid phase.

K_d is different for each contaminant, and is affected by temperature, pH, Eh, and composition of both the soil and aqueous media.

K_d is markedly influenced by the organic carbon content within the system. Organic carbon is usually associated with the solid media, and the relationship is described by:

$$K_d = K_{oc} \cdot f_{oc} \quad \text{or} \quad K_{oc} = \frac{K_d}{f_{oc}}$$

where:
- K_{oc} = Sorption coefficient on organic carbon in soil; and
- f_{oc} = Fraction organic carbon in solid.

Sorption coefficient values shown on Table 4-2 were mainly acquired from Task 35, although values derived under the K_d Investigation were also considered (ESE, 1988). Under this investigation, borings were installed in the Basin A area and ground water/aquifer soil samples collected to determine partition coefficient values for RMA compounds. K_d calculations were conducted based on K_{oc} and f_{oc} determinations, and were compared with estimates presented in the Task 35 Toxicity Assessment (Ebasco, 1988). Figure E-1 illustrates the relationship of K_d and K_h within aqueous media at RMA. The figure shows those compounds that are volatile, semivolatile, and nonvolatile. It also shows that dichloro-ethene/ethane compounds and methylene chloride may have 30 to 70 percent of constituents in the vapor phase relative to the dissolved phase, with the remainder of the volatiles exhibiting 4 to 30 percent of their total concentration in the vapor phase. Figure E-1 also serves to illustrate partitioning behavior of semivolatile/ nonvolatile compounds. Compounds to the left exhibit higher K_ds, and are therefore more likely to be sorbed to aquifer material relative to compounds on the right side of the diagram.

An additional partitioning relationship of concern is defined by the octanol-water partition coefficient (K_{OW}) (Table 4-2). This parameter is defined by the ratio of a chemical's concentration in the octanol phase to its concentration in the aqueous phase in a two-phase system (Ebasco, 1988). K_{OW} is of particular concern in a system where both aqueous and organic solvent phases are present. A compound may partition into either phase preferentially based on the compound's K_{OC}. There is not sufficient solvent concentration within RMA waters to cause this cosolvent effect on a regional basis, although localized partitioning may occur. A laboratory study by Staples and Geiselmann (1987) using soil columns indicated that cosolvent concentrations of approximately 5 to 10 percent were necessary to reduce transport time by 1/2. This would require organic solvent concentrations on the order of 50,000 ppm to 100,000 ppm, much higher than detectable concentrations in RMA groundwater.

The sorption coefficient (K_d) is particularly important because it may profoundly influence contaminant distribution within a ground-water system. Contaminant flow will be attenuated by the amount of partitioning between the liquid and solid phase, and is represented by the equation:

$$R_f = 1 + \frac{B \cdot K_d}{N_e}$$

where:

R_f = Retardation factor,
B = Bulk density of the aquifer material (kg/l), and
N_e = Effective porosity of the aquifer.

Estimates for effective alluvial aquifer porosity range between 20 percent and 35 percent, with an estimated porosity of 30 percent. Bulk density is approximately 2.7 g/cm^3. Dividing R_f by ground-water velocity can indicate potential contaminant migration rates.

E.2 CONTAMINANT TRANSPORT AND FATE PROCESSES

To determine the interaction of contaminated RMA soils and ground water and their subsequent impact on the environment, an understanding of contaminant fate and transport is required. Environmental contamination problems would be minimal in the absence of transport processes. It is the transport processes that cause the migration of contaminants laterally and vertically from the site of their storage, disposal, or accidental spill. In addition to the migration of contaminants from their point of origin in the environmental matrix, numerous transformation and degradation processes also influence their fate. These processes can cause changes in the physical properties of contaminants, such as increasing or decreasing their mobility and toxicity. The dynamic interaction of these fate and transport processes governs the distribution of contaminants in the soil.

In order to summarize potential fate and transport mechanisms in the unsaturated and saturated soil environments, processes have been organized into three general categories:

- Transport processes;
- Attenuation processes; and
- Loss processes.

Several processes are included under each of these general categories. The role of these processes in the environment, and their specific influence on RMA contaminant fate and transport, is discussed below. This categorization is in some sense artificial, and is strongly dependent on the definition of the system of interest. Some processes have characteristics which cause them to fall to some extent into more than one category. For example, volatilization can be an attenuation process in the aqueous phase if contaminants are retained in the gaseous phase within the soil pore space. In this case the contaminants may reenter solution. If the gaseous contaminants are lost to the atmosphere they are no longer a component in the system in question. This would be considered a loss process. Ecological exposure pathways will be discussed in detail in the Biota Remedial Investigation Report (ESE, 1989a).

E.2.1 Transport Processes

Processes that effect transport of soluble contaminants in ground water include advection and dispersion. Advection is the process by which contaminants are transported by the bulk motion of flowing ground water. It is the primary process by which solutes migrate in coarse-grained, permeable aquifers. The magnitude of the driving force for ground-water flow is the hydraulic conductivity. The average linear velocity of ground water in an aquifer is equal to the product of the gradient and the aquifer's capability to transmit water (Mackay et al., 1985).

A plume of dissolved contaminants will spread as it moves with ground water. This tendency to spread is called dispersion and it is the result of two processes-- molecular diffusion and mechanical mixing.

Molecular diffusion defines the tendency for ionic and molecular species to move under the influence of their kinetic activity. This kinetic activity of contaminants in solution results in a net flux, or diffusion, of contaminants from an area of higher concentration to an area of lower concentration (Freeze and Cherry, 1979). The influence of molecular diffusion on movement of solutes diminishes directly with the velocity of ground-water flow.

Mechanical mixing, by contrast, involves variation in ground water velocity caused by frictional forces, variability in pore dimensions, and variability in localized flow direction (Mackay et. al., 1985). Dispersion leads directly to dilution, so that maximum concentrations diminish with distance from the source. Dispersion will also tend to increase the uniformity of concentrations in a plume with distance from the source. Observed dispersion in the direction of longitudinal flow is usually greater than dispersion in the traverse direction of flow. Tests using field tracers indicate increasing dispersivity in the longitudinal direction as the distance between injection and observation wells increases, until some point where the dispersivity stops increasing. This phenomenon of increased dispersivity with increased distance travelled is referred to in the literature as the scale effect (Molz, 1983). It is possible for dispersive spreading to result in the arrival of detectable contaminant concentrations prior to the predicted arrival time based solely on the average ground water velocity (Newsom, 1985; Mackay, 1985).

E.2.2 ATTENUATION PROCESSES

The concentrations of many organic and inorganic contaminants in ground water are often much lower than would be expected on the basis of equilibrium solubility calculations or from supply to the aqueous phase from point source concentrations. Most commonly these compounds are adsorbed onto the solid phase or, in the case of inorganic contaminants, are influenced by chemical precipitation in response to solubility constraints (Drever, 1982; Cherry, 1984).

E.2.2.1 SORPTION-DESORPTION

Partitioning between coexisting aqueous and solid phases is the dominant factor for determining the extent to which a contaminant will be leached to the water table and transported with ground-water flow. Contaminants that are strongly sorbed to the solid phase will migrate at a relatively slow rate compared to contaminants which are not as strongly sorbed. Many contaminants of environmental concern are commonly detected in both the solid and aqueous phases at similar concentrations. For these moderately adsorbed compounds, travel times will be intermediate between those that are more readily adsorbed and those with minimal adsorption characteristics.

The transfer of contaminant mass by sorption from the aqueous phase to the solid phase of the porous medium causes retardation of the rate of contaminant transport. The partition coefficient concept is based on the assumption that the reactions that partition contaminants between the aqueous and solid phases are completely reversible. In such a case contaminant plume transport will be retarded by the transfer of contaminant mass from the liquid to the solid phase. As concentrations decrease in ground-water, contaminants will be transferred back to the aqueous phase. After input of contaminated water is discontinued, the plume of contamination will move down the flow path as it is replaced by ground-water with decreasing concentrations. With sufficient time, all contaminants will be flushed from the ground-water system if the reactions are reversible. Any contaminant fixed to the solid phase irreversibly, relative to the time scale of interest, will not be transferred back to the aqueous phase and will therefore remain in place in the subsurface environment. In cases where partitioning cannot be described by equilibrium relations, information on reaction rates between contaminant and porous media is required in order to make accurate predictions on rate of contaminant migration. An example of this are substances that do not react rapidly enough with the porous media relative to ground-water flow rates for equilibrium to be established (Freeze and Cherry, 1979).

These are several generalities that can be used to predict the extent of sorption. The more hydrophobic an organic compound is, the more likely it is to be sorbed. The solubility of an organic compound depends upon the physiochemical characteristics of the sorbent material, such as available surface area, nature and density of charge, presence of hydrophobic areas, presence of organic matter such as humic and fulvic acids, as well as characteristics of the contaminant such as solubility and hydrophobicity. Karickloff (1981) generalized that for neutral organic compounds of limited solubility ($<10^{-3}$ M), that are not susceptible to speciation charges, sorption is primarily controlled by organic carbon content and the percentage of fine-grained sediments.

E.2.2.2 DISSOLUTION/PRECIPITATION

To predict solubility constraints the law of mass action and the associated principles of equilibrium-chemical thermodynamics must be considered. The equilibrium relation for a contaminant species controlled by precipitation or dissolution is defined as:

$$xX + bB = yY + cC + dD;$$

where:

X is the inorganic contaminant species in the solution phase;
Y is a mineral or solid amorphous compound in which the contaminant species is incorporated by precipitation or from which it is released by dissolution;
B, C, and D are other species in solution; and,
x, y, b, c, and d are the stoichiometric mole number.

From the law of mass action, the equilibrium expression is obtained

$$[X]^x = [C]^c [D]^d / K_{eq} [B]^b;$$

where:

K_{eq} is the equilibrium constant and the quantities within the brackets are chemical activities of the species indicated.

If X is initially above the equilibrium concentration when it enters the ground water system, adjustment toward equilibrium will occur by precipitation of mineral or amorphous solids. If X is below the equilibrium concentration, available minerals or amorphous solids that contain X as part of the chemical structure will dissolve.

E.2.3 LOSS PROCESSES

Loss processes are those that cause a compound to be removed permanently from the environmental system under study. For example, compounds with relatively high values of Henry's law constant are likely to volatilize from a surface water body. After volatilization they are lost to the aqueous phase and are present in the atmosphere where they are subject to a different set of processes.

E.2.3.1 Volatilization

Volatilization is the process by which a compound evaporates from either a liquid or solid phase to the gas phase. Loss of contaminants from surface water and shallow ground water through volatilization can be a significant transport pathway, resulting in reduced concentrations. The degree to which a compound will be volatilized is dependent on physical chemical characteristics of the compound, such as vapor pressure and Henry's law constant, as well as properties of the coexisting sediment and aqueous phases.

E.2.3.2 Chemical Transformations

Transformation and degradation processes determine whether a chemical will persist in the environment. Key processes include both biological and chemical mechanisms, such as biotransformation, hydrolysis, photolysis, and oxidation-reduction. Contaminants are generally reduced to less hazardous components, such as carbon dioxide and water. However, the characteristics of degradation products may, in certain instances, be of greater concern due to increased toxicity, persistence, or mobility. Specific rates at which these processes

occur are dependent on individual chemical, soil, and environmental characteristics. In general, surface processes occur at faster rates than subsurface processes.

Several chemical reaction mechanisms potentially contribute to the overall process of chemical transformation. Hydrolysis, photolysis, and oxidation-reduction reactions are the primary components of chemical transformation in surface and ground-water, although other reactions, such as reductive dehalogenation may be significant for individual compounds of interest. Callahan (1979) assessed potential transformations affecting priority pollutants in aqueous systems. Only a brief description of each major class of reactions is provided below.

Hydrolysis

During hydrolysis, an organic compound reacts with water, resulting in the introduction of a hydroxyl group into the molecule and subsequent elimination of another functional group, such as a halogen. Hydrolysis may be catalyzed by acid (H^+), base (OH^-), or metal (M^+) ions; thus, the rate of hydrolysis is pH and metal-ion-concentration dependent. Surface effects may also influence the rate of hydrolysis. Hydrolysis of some pesticide derivatives is more rapid in the presence of humic materials.

Mabey and Mill (1978) reviewed data for hydrolysis of a variety of organic chemicals for use in predicting of half-lives in aquatic systems. In some cases alkyl halides appear to exhibit hydrolysis rates which are independent of pH in the environmental pH range of 4-9. Carboxylic acid esters, however, are acid/base promoted and exhibit a minimum hydrolysis rate at pH 4-5. Rate constants for many hydrolyzable structures can be estimated from published data (EPA, 1979).

Photochemical Processes

Photochemical processes include both direct photolysis and sensitized photolysis. In direct photolysis the compound adsorbs solar radiation and is transformed, while in sensitized photolysis, the energy which transforms the compound is derived from another species in solution. Photolysis reactions may occur in either near-surface soils or surface water.

Photochemical reactions generally occur at wavelengths greater than 290nm. The rate of direct photolysis is dependent on the sunlight photon flux, the light adsorption coefficients of the chemical, and the reaction efficiency for converting absorbed light into chemical reaction.

In contrast to direct photolysis, indirect photolysis will take place if substances naturally present in aquatic environments form excited chemical species or radicals upon absorption of sunlight. These radicals subsequently react with a chemical. Photochemical reactions that may be considered in the indirect class are those in which photolyzed natural substances produce high energy intermediates that react with the ground state of the chemical. An example of such indirect reactions is photo-oxygenation. In this case singlet oxygen is the intermediate.

Oxidation-Reduction

In the soil environment, oxidation-reduction (redox) reactions involving both inorganic and organic compounds are important. Inorganic chemists define oxidation as the loss of electrons and increase in oxidation number, while reduction is the gain of electrons and decrease in oxidation number. Organic oxidation reactions generally involve a gain in oxygen and loss of hydrogen, while the reverse is frequently true for organic reduction.

Many organic compounds can either accept or donate electrons, forming reduced or oxidized species. This oxidation or reduction may alter an organic compound's environmental and biological properties. The rate of loss of a chemical by oxidation or reduction is generally a second-order kinetic reaction. Oxidation may be expressed by the following:

$$-\frac{dC}{dt} = k_{ox}\,[ox]\,[c]$$

where:

k_{ox} = second-order rate constant for the oxidation of chemical, C, and [ox] and [c] are the concentrations of oxidant and chemical, respectively. Mill (1979) reviewed the use of k_{ox} for estimation of oxidation half-lives of chemicals (Moore and Ramanoorthy, 1984).

Oxygen often requires the presence of O_2, but the reaction usually involves free radicals, especially OH, RO_2, RO, and singlet oxygen as the oxidant (where R = carbon chain or ring). Redox reactions are often biologically mediated, but can also occur in abiotic systems. Chemical structures most susceptible to oxidation include, phenols, aromatic amines, and dienes. Unsaturated alkyl compounds such alkenes, halogenated alkenes, alcohols, esters, and ketones are not readily oxidizable in the ground water environment (Cherry et al., 1984).

Halogenation-Dehalogenation

Reductive dehalogenation involves the removal of a halogen atom in an oxidation-reduction reaction. This reaction is most likely to occur in low-redox state ground waters. This biological reaction requires mediators, such as Fe^{+3} or biological products, to accept electrons generated by oxidation of reduced organics and to transfer these electrons to the halogenated organic compound to bring about dehalogenation (Mackay et al., 1984).

Conversely, halogenation of organic compounds occurs mostly under synthetic conditions or under harsh environmental conditions. Mild chlorination reactions are possible in natural waters containing residual chlorine.

Metabolic Transformation

Biotransformations occur as a result of the metabolic activity of microorganisms through the action of enzymes which catalyze chemical reactions. These reactions generally lead to the production of energy or some essential nutrient for the organism, although some chemicals may be transformed even though the specific reaction does not promote growth. Rates of biotransformation are dependent on microbial tolerance to specific contaminant compounds and the availability of groups of compounds, such as oxygen and nitrate, as nutrient sources. Therefore, rates of biodegradation are dependent upon microbial population and environment

as well as the physical/chemical properties of the compound. Although only limited information is available on rates of biodegradation, historical data and field studies may be helpful in evaluating the use of biodegradation processes in remediating site contamination.

GROUND WATER VELOCITY CALCULATIONS

Calculation of Lateral Travel Times in the Denver Fm--The lateral travel times in Denver Fm units were estimated by calculating the average linear ground-water velocity from the principles of Darcy's Law, which can be written as:

$$v = \frac{K \cdot \frac{dh}{dl}}{n}$$

where:

$\bar{v}$ = average linear ground-water velocity
K = horizontal hydraulic conductivity
$\frac{dh}{dl}$ = horizontal hydraulic gradient
n = porosity [calculated from soil test data on Denver Fm units by May et al. (1980, RIC#81266R48) and May (1982, RIC#82295R01)].

The horizontal hydraulic conductivity values used, 1.6 ft/day and 1.1 ft/day, were determined from pumping tests performed on Wells 22317 and 24154 by Black and Veatch (1980, RIC#81266R25). These are the only horizontal hydraulic conductivity values obtained from a pumping test for confined Denver Fm sandstone units at RMA. These values were chosen to obtain a conservative estimate of travel times and because pumping tests generally provide more reliable values then slug tests.

The hydraulic gradient used was 0.01 ft/ft which is representative of potentiometric surface gradients observed in Denver Fm zones at RMA. The porosity of the Denver Fm sandstones was estimated from the following equation:

$$n = \frac{e}{1 + e}$$

where:
n = porosity
e = void ratio

and the void ratio was calculated from:

$$e = \frac{(G \cdot w)}{d} - 1$$

where:
e = void ratio
G = specific gravity (2.7)
w = unit weight of water (62.4 lb/ft^3)
d = dry unit weight (96.0 to 113.6 lbs/ft^3)

This calculation was performed by assuming a specific gravity for sandstone of 2.7 (Lambe and Whitman, 1969) and using the range of dry-unit weights for

sandstone samples determined from laboratory tests by May et al. (1980, RIC#81266R48) and May (1982, RIC#82295R01). Using the above equation, calculated porosity values ranged from 0.33 for medium to coarse-grained sandstone to 0.43 for silty, fine-grained sandstone. These porosity values are in close agreement with the representative values reported for fine- grained sandstone (0.33) and medium-grained sandstone (0.37) by Morris and Johnson (1967). To obtain the highest estimates of average linear ground-water velocities, the lowest porosity value of 0.33 was used.

Vertical average linear ground-water velocities were estimated using Darcy's Law. The calculation of vertical average linear ground-water velocity is dependent on the vertical hydraulic conductivity, the porosity of the weathered clayshale, and the vertical hydraulic gradient.

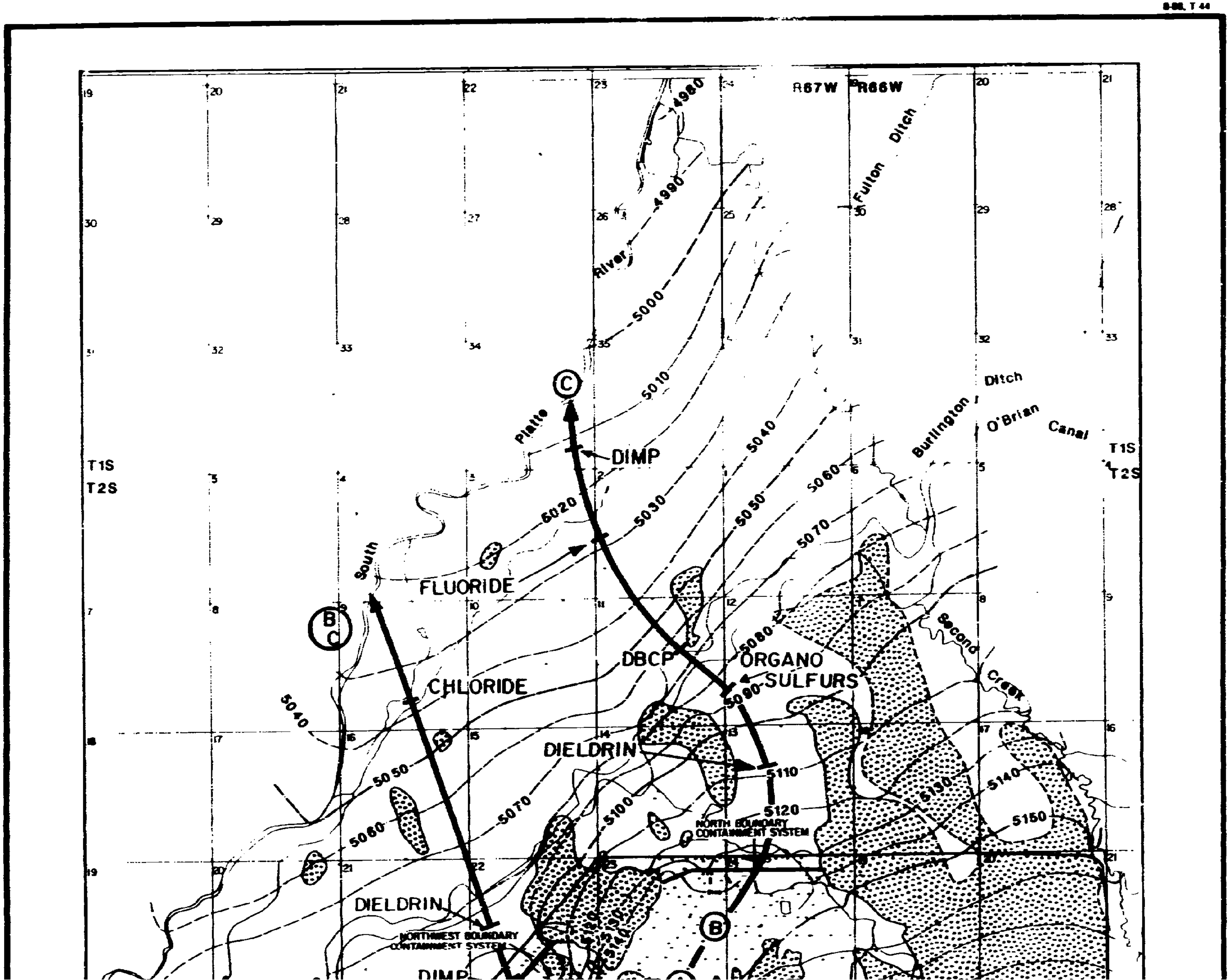
The vertical hydraulic conductivity of the weathered clayshale could be estimated by three methods: pumping tests, laboratory permeability tests, and using the assumption that vertical hydraulic conductivity is generally two orders of magnitude less than the horizontal hydraulic conductivity. These three methods will be briefly described below.

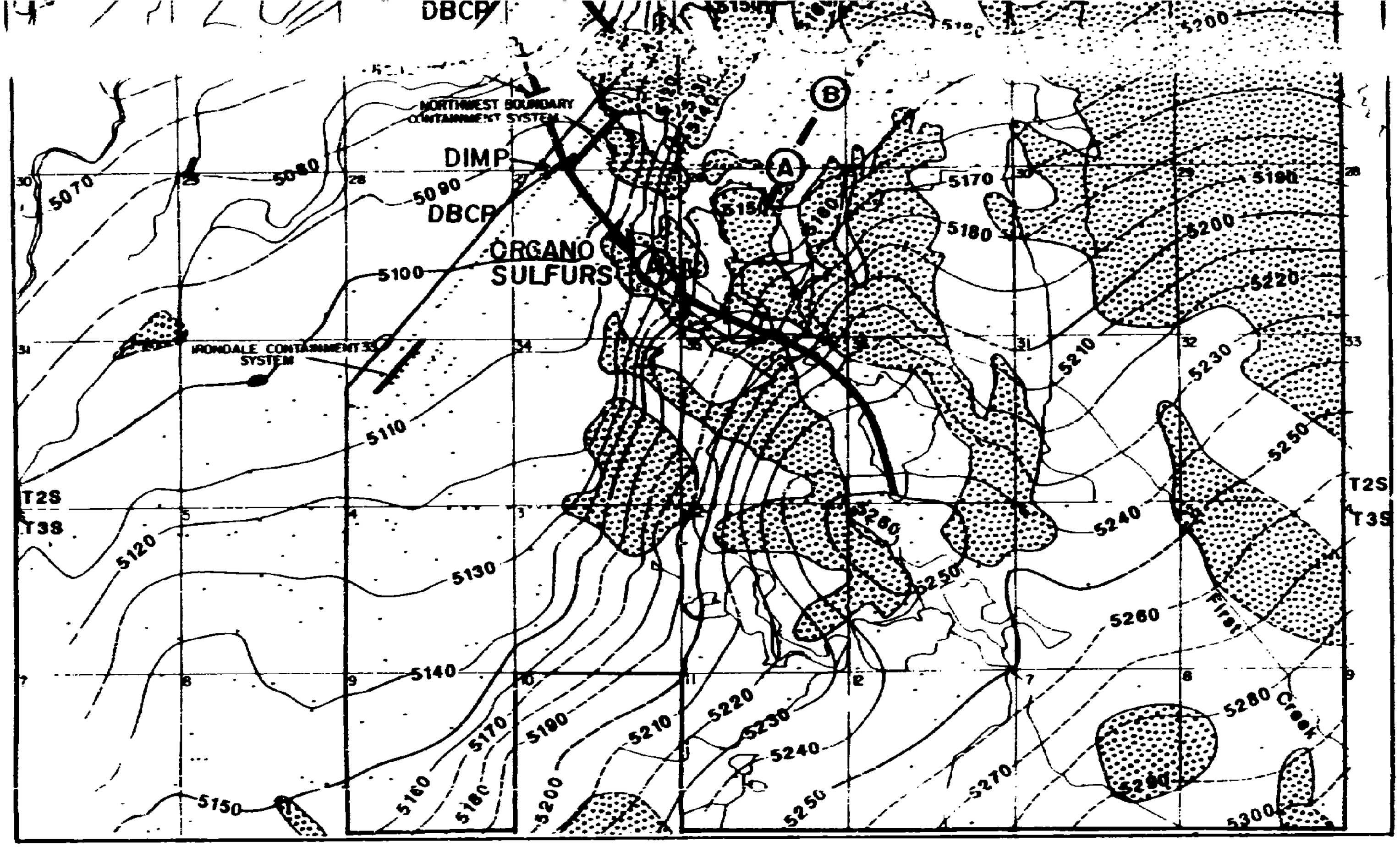
The first method used a pumping test performed near the NBCS at Well 24154 (Black and Veatch, 1980, RIC#81266R25) to estimate vertical hydraulic conductivity for clayshale using the type-curve graphical method devised by Walton (1960) for a leaky artesian aquifer. However, as explained in the Task 36 Draft Final Report (ESE, 1988), the 4.1 x 10^{-5} ft/day value may have been underestimated because the confining layer between the alluvium and the sandstone unit that was tested was 20-ft thick.

The second method that could be used to estimate vertical hydraulic conductivity was using laboratory permeability tests conducted by WES (198[illegible], [illegible]#82295R01) on clayshale core samples from Wells 32002 and 35067. The sample intervals were from 107.6 to 108.0 ft, and 77.0 to 77.6 ft, respectively, and were below the depth of weathering. The average vertical hydraulic conductivity value from these falling head permeability tests was 0.16 ft/day. This value appears to be overestimated due to the travel times that would be associated with its use.

A third method used to estimate vertical hydraulic conductivity assumed that it is generally two orders of magnitude less than the horizontal hydraulic conductivity value (Freeze and Cherry, 1980). A slug test performed on Well 24145, screened in jointed clayshale (May et al., 1980, RIC#81266R48), yielded a horizontal value of 5.7 x 10^{-2} ft/day. Using this value, and assuming vertical hydraulic conductivity would be two orders of magnitude less, a vertical value of 5.7 x 10^{-4} ft/day is obtained. The horizontal value may be underestimated, thereby underestimating the vertical value, due to the slug test not stressing the aquifer enough to yield water from the fractures.

It is important when considering vertical hydraulic conductivity to note that it generally decreases with depth due to decreased fracturing and weathering and increased consolidation of the rock.


R67W
R66W
T1S
T2S
Fulton Ditch
River
Platte
South
Burlington Ditch
O'Brian Canal
Second Creek
4980
4990
5000
5010
5020
5030
5040
5050
5060
5070
5080
5090
5100
5110
5120
5130
5140
5150
DIMP
FLUORIDE
CHLORIDE
DBCP
ORGANO SULFURS
DIELDRIN
NORTH BOUNDARY CONTAINMENT SYSTEM
NORTHWEST BOUNDARY CONTAINMENT SYSTEM
B
C



EXPLANATION

Contour Interval Equals 10 Feet

Unsaturated Alluvium

---- Inferred Contour

—— Interpreted Contour

Migration Pathways

Apparent Plume Extent

Groundwater Monitoring Well

Ground-Water Travel Distance Over 30 Years Using

(A) Minimum K Value

(B) Best Estimate K Value

(C) Maximum K Value

N

0 5000

Scale In Feet

Figure E-1

CONTAMINANT MIGRATION DISTANCES IN SELECTED PATHWAYS

SOURCE: HLA, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland